

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

<b>I</b>	The Tender schedule for the above work consists of <b>31 pages</b> as detailed below:	
(i)	Checklist for the guidance of the Contractors	Page – 1-3
(ii)	Notice Inviting Tender	Page – 4
(iii)	Undertaking for adhering additional conditions to be followed regarding ban on entry of workers in to the sewerage system	Page – 5-7
(iv)	Special Instructions to Bidders for E-Bid Submission	Page – 8-10
(v)	Letter of Tender 2 pages	Page – 11-12
(vi)	Price Schedule	Page – 13-14
(vii)	Work schedule	Page – 15 -27
(viii)	Mile stone and Liquidated damages	Page – 28
(ix)	Drawings – 3 Nos.	Page – 29 - 31
<b>II</b>	The total number of items in the work schedule- <b>119 Nos.</b> The Departmental value works out to <b>Rs. 47,56,277/-</b>	
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. Tenderers are also requested to furnish the Notarised copies of the certificate towards satisfying the Eligibility / Qualification criteria.	
3.	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.	
4.	<p>The present tender document contains priced work 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.</p> <p>All entries should be made legibly in ink. Writing the entries first in pencil and later over writing in ink should be avoided and also over writing the corrections may be avoided.</p> <p>Corrections if any should be made by neatly scoring out the unwanted matter and rewriting legibly. Every such correction should be attested by the full signature of the tenderer.</p>	
5.	<p><u>Eligibility :</u></p> <ol style="list-style-type: none"> <li>Contractors registered in Metro water with current validity in <b>Class – II A and IV B above</b> i.e. those who are eligible to take up the works costing more than Rs. 30.00 Lakh towards Civil works and more than Rs.6.00 Lakh towards electromechanical works</li> <li>Contractors who have executed similar civil and pipeline works of the same or higher magnitude and registered in other departments and undertakings of the Central or State Government in the corresponding class are also eligible to tender for this work.</li> </ol>	

Signature of Tenderer with Seal

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

	<p><b>Note:</b></p> <p><b>Contractors registered in Board:</b> If the performance of the tenderer in the works awarded earlier is found to be poor subsequent to opening of this tender or during evaluation of this tender, his/their tenders will not be considered for evaluation and will be treated as non-responsive.</p> <p><b>Contractors registered in State or Central Government Departments:</b></p> <p>1) The tenderer who comes under the Category-2 i.e. not Registered in the Board and who intend to participate in the tender, subject to their eligibility as above are requested.</p> <p>(i) To read the Standard tender document available in the Office of the Contracts &amp; Monitoring wing. The contents of Standard Tender document is binding along with the conditions in this tender schedule on the tenderer.</p> <p>(ii) To furnish Proof for their registration in other State or Central Government Departments in the appropriate class and its current validity.</p> <p>2) The bidder should have executed Civil and pipeline works of value more than Rs. 30.00 Lakh and electromechanical works of value more than Rs.6.00 lakh should also furnish performance certificate from an officer not less than the rank of Executive Engineer for having executed works of similar nature of the same or higher magnitude</p> <p>3) The tender of tenderers who does not fulfill the above will be treated as non-responsive. The tender received from ineligible tenderer will be treated as non-responsive.</p> <p>4) However the successful tenderer will have to get himself registered in the Board in the appropriate class.</p> <p>5) If at any circumstances, prior to finalization of the tender, if it is brought to the knowledge of the Board, that the contractor is banned / black listed their tender will be treated as non-responsive.</p>
6.	<p>EMD in the form of Demand Draft or Banker's Cheque or Pay Order drawn from Nationalized / Scheduled Bank / TNSC Bank in favour of CMWSS Board.</p> <p>Cash, cheque and Bank Guarantee will not be accepted towards Earnest Money Deposit.</p>
7.	<p><b>SECURITY DEPOSIT</b></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: Form in which S.D. collected.</p> <p>Certified cheque/Bank Draft or Pay Order in favour of 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.

Signature of Tenderer with Seal

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

8.	Milestone details for completion of works and details of penalty for the non-completion of work are furnished in the Milestone at Page No. 28. Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.
9.	All duties, taxes and other levies payable by the contractor under the contract or for any other cause shall be included in the percentage quoted as submitted by the bidder. Any statutory variations in duties/taxes, which take effect from a date subsequent to the due date for receipt of tender, shall be to CMWSS Board's Account.
10.	<u>Tender Validity</u> Tenders shall remain valid for a period of not less than ninety days (90 days) after the due date for bid submission. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.
11.	Tenders with conditions are liable for rejection
12.	The defects liability period is as follows: (a) For Pipe line Works - Five Years (b) For Civil Works - Five Years (c) For Electrical & Mechanical - Three Years
13.	<b><u>Bonus for Advance completion of work:</u></b> Bonus as an incentive for advance completion of work may be introduced any work completed in advance by not less than 10% of agreement period can be considered and bonus of 1% on the value of actual quantum of works executed at the tendered rate may be paid.

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

**CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD**  
**NO.1, PUMPING STATION ROAD, CHINTADRI PET, 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.	Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I CNT/SEW/GOTN/ CMCDM/2388/ 2013-14	26.06.2013 Upto 03.00 PM	47.95	34,000/-	06.06.2013 To 25.06.2013	Class II A & IV B and above	6 Months
2.	Date & time for opening of tenders	After 3.00 PM on 26.06.2013 If the due date happens to be holiday, the tender will be received and opened on the next working day.					
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	<a href="http://www.chennaietrowater.tn.nic.in">www.chennaietrowater.tn.nic.in</a> & <a href="http://www.tenders.tn.gov.in">www.tenders.tn.gov.in</a> The bid document can be freely downloaded. The downloaded document should be properly bounded and submitted for tendering along with necessary enclosures.					
5.	Cost of Tender Schedule	Free of cost. The document will also be sent by surface mail on an extra advance payment of Rs.500/- per set.					
6.	Address for information and clarifications and for receipt of tenders	Office of Superintending Engineer, Contracts & Monitoring, 4 <sup>th</sup> Floor, CMWSS Board, No.1, Pumping Station Road, Chintadripet Chennai – 600 002 Phone No. 044-2845 1300, Extn. 253 FAX : 044-2845 4336 Email: secm@chennaietrowater.com					
7.	e-bid submission & portal	Permitted through portal <a href="http://www.tntenders.gov.in">www.tntenders.gov.in</a>					

SUPERINTENDING ENGINEER  
(CONTRACTS & MONITORING)

Signature of Tenderer with Seal

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

**UNDERTAKING**

**ADDITIONAL CONDITIONS FOR THE CLEANING AND MAINTENANCE OF SEWERAGE SYSTEM (INCLUDING SEPTIC TANKS)**

I / We ..... aged about ..... years, S/o ..... residing at .....

am / are aware of the direction 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. All cleaning and maintenance operations shall be done only through mechanical devices.

I / We 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.

I / We am/are 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.

I / We 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 as follows:

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

- 1) 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.
- 2) 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.
- 3) 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 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.
- 4) 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.

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

Even in the above four instances, I / We will 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.

- a. Even in the non-exceptional circumstances, consideration of safety of the workers shall be paramount and the contractor shall ensure the same.
- b. I / We will indemnify the employer for any loss or damage caused by his negligence or by his non-observance / violations of any labour laws.
- c. I / We will 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.
- d. I / We will impart safety education to all his workers and train them in the use of safety gadgets.

Signature of the Contractor  
with seal

Signature of Tenderer with Seal

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

### **SPECIAL INSTRUCTIONS TO BIDDERS FOR E-BID SUBMISSION**

The above tender notice is also available on the web site [www.tntenders.gov.in](http://www.tntenders.gov.in). This site permits downloading of the tender documents at free of cost. The intending tenderers may visit this site and download the tender document at free of cost and use it for tender submission.

The tenderer is also permitted to upload the tender on the web site using the e-token.

The following list of items is to be uploaded by the tenderer (or) bidder within the date & time of submission of bids.

1. **Earnest Money Deposit**

Scanned copy of the Demand Draft/ Pay Order / Banker's Cheque in the acceptable manner as mentioned in the tender schedule.

2. **Letter of Tender**: Should be signed & the scanned copy of the Letter of Tender, along with the relevant documents in PDF format as one file.

The originals for the above (Item No. 1&2) should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date & time for the tender.

3. **Schedule of Works / Bill of Quantities**: The Bidder has to fill only the percentage in figures in the columns provided in Bill of Quantities in excel form and uploaded as boq.xls file. The same file may also be converted into pdf and upload.

**The Digital Signature Certificate/ e- token may be obtained from one of the authorised Digital Certifying Authorities such as SIFY / SCS (TCS) / nCode, at the risk and cost of the bidder.**

During e-submission of tenders, the following special cares are to be taken:

- 1) Bidder should do the registration in the tender site using the option available. Then the Digital Signature registration has to be done with the e-token, after logging into the site.
- 2) Bidder then login to the site thro' the secured log in by giving the password of the e-token & then the user id/ password chosen during registration.
- 3) The e-token that is registered should be used by the bidder and should not be misused by others.
- 4) After getting the tender schedules, the Bidder should go thro' them carefully and then submit the documents as asked, otherwise, the bid will be rejected.

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

- 5) If there are any clarifications, this may be obtained online thro' the tender site, or thro' the contact details. Bidder should take into account of the corrigendum published before submitting the bids online.
- 6) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender schedule and they should be in PDF format. If there is more than one document, they can be clubbed together.
- 7) Bidder should get ready the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date & time for the tender.
- 8) The bidder read the terms & conditions and accepts the same to proceed further to submit the bids.
- 9) The bidder has to select the payment option as offline to pay the fee & EMD as applicable.
- 10) The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the bid submitted will not be acceptable.
- 11) The rates / percentage offered details have to be entered separately against the specified place in the downloaded spread sheet file (xls) and should be submitted as boq.xls file during the e-bid submission.
- 12) The bidders are requested to enter the individual rates offered in the boq.xls file considering all aspects inclusive of any rebates, etc. No separate rebate or discount should be entered at the end of BOQ. The uploaded boq.xls will not be available for subsequent modification.
- 13) Resubmission/modification allowed. The latest bid submission will supersede the earlier submission. However, the resubmission/modification bid should reach before the deadline of submission.
- 14) The tendering system will give a successful bid updating message after uploading all the bid documents submitted & then a bid summary will be shown with the bid number & the date & time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed with the e-token of the bidder and then submitted
- 15) The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.
- 16) The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening date.

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

- 17) The bidder may submit the bid documents either by online mode through the site (<http://tntenders.gov.in>) or by manual mode to the department. If a bidder submits the bid, both online and in manual form, only the online bid will be acceptable.
- 18) For any clarifications with the TIA, the bid number can be used as a reference.
- 19) Bidder should log into the site well in advance for bid submission so that he submits the bid in time i.e. on or before the bid submission time. If there is any delay, due to other issues, bidder only is responsible.
- 20) Each document to be uploaded thro' online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced thro' zip and the same can be uploaded. However if the file size is less than 1 MB the transaction uploading time will be very fast.
- 21) The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.
- 22) All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.  
For any other queries, the bidders are asked to contact thro'

Mail: [secm@chennaietrowater.com](mailto:secm@chennaietrowater.com)

Phone no.: 044-28451300-320, Extn. 209 or 253 well in advance

This Department will not be held responsible for any sort of delay or the difficulty faced in the e-bid submission of tenders online by the bidders.

SUPERINTENDING ENGINEER(C&M)

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

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 26.06.2013**

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 Demand Draft/ Bankers Cheque/ Pay Order No..... dated ..... 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 the 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. 34,000/-** 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 with Seal

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

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 next day of last date fixed for receipt of tenders .In case my/our tender for the work of '**Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I** 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 **6 ( Six) months** 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.....2013.

Signature of Tenderer with seal

Name and  
Address  
of tenderer

Signature of Tenderer with Seal

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

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.

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

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

**FORM NO:A**

I / We agree to execute the work of “**Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part- I**” with a tender percentage of (-) Minus -----(in words) -----  
(in figures) over departmental value of **Rs. 47,56,227/-** 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 “**Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part- I**” at the department value of **Rs. 47,56,227/-** for all items of works furnished in the schedule.

**FORM NO:C**

I / We agree to execute the work of “**Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part - I**” with a tender percentage of (+) Plus -----(in words) -----  
----- (in figures) over departmental value of **Rs.47,56,227/-** 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. If the tenderer offers to carry out the work at a value less than the department rate, the tenderer is requested to quote his percentage in Form No: A and strike out the Form B and C
2. If the tenderer offers to carry out the work at the department rate, the tenderer is requested to strike out the Form A and C.
3. If the tenderer offers to carry out the work at a value higher than the department rate, the tenderer is requested to quote his percentage in Form No: C and strike out the Form A and B.
4. If there is any discrepancy in percentage quoted in words and in figures the lowest percentage quoted will be considered.
5. If the price schedule is not quoted as above the tender submitted will be treated as Non – responsive.

Signature of Tenderer with Seal

### ABSTRACT - WORK SCHEDULE

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Bill.No.	Description	Amount Rs. P
1	Construction of Suction Well of 3.00m Dia.	2348486.71
2	Construction of Valve Chamber	95946.80
3	Construction of column and erection of ISMB 400	57018.64
4	Pipes and Specials for Suction Well	359732.69
5	Electrical works	1445108.00
6	Providing Kiosk	80776.28
7	Interconnection work for 400mm dia Pg.main into Collection well	369207.95
	Total	4756277.07
	Say	4756277.00

Signature of the tenderer with seal

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
1	Excavation in hard stiff clay, stiff black cotton, hard red earth, shales, murum, gravel, stoney earth or earth mixed with small size boulders and hard gravelly soil as per SS20B with initial lead of 10m and lift of 2m	38 cu.m	40.00	cu.m	1520.00
2	Providing form work with centering for soffits of reinforced concrete slabs or plain surfaces including strutting upto 3m high.	87 sq.m	581.00	sq.m	50547.00
	3m to 4m	22 sq.m	598.00	sq.m	13156.00
	4m to 5m	22 sq.m	615.00	sq.m	13530.00
	5m to 6m	22 sq.m	632.00	sq.m	13904.00
	6m to 7m	22 sq.m	649.00	sq.m	14278.00
	7m to 8m	22 sq.m	666.00	sq.m	14652.00
	8m to 9m	26 sq.m	683.00	sq.m	17758.00
3	RCC work with M25 using 20mm size H.B.Stone jelly for RCC works excluding cost of steel reinforcement, centring,shuttering and cost of steel reinforcement but including laying in position,compacting,curing, finishing,etc.complete.				
	i) upto 1.5m from GL & below GL	12.50 cu.m	3922.00	cu.m	49025.00
	ii) from 1.5m to 4.5m depth	15.00 cu.m	3964.10	cu.m	59461.50
	iii) from 4.5m to 9.0m depth	30.00 cu.m	4006.50	cu.m	120195.00
4	Providing point edge to well curb using ISA 150x75x10 mm of weight 16.9 kg/m as directed at site.	208.00 kg	65.00	kg	13520.00
5	Sinking well of 3 m internal dia with 0.45m thick wall steining in all kinds of soils and in all depths under water including removal of excavated earth and all other etc including bailing and pumping out water with all tools and plants such as air compressor, helmet etc complete.				
	<u>3m dia well</u>				
	a.2m to 4m	2.00 m	1308.00	m	2616.00
	b.4m to 6m	2.00 m	2592.00	m	5184.00
	c.6m to 8m	2.00 m	5177.00	m	10354.00
	d.8m to 10m	0.41 m	9991.00	m	4096.31

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
6	Supplying, fabricating and laying in position MS rounds or RTS rods for RCC works including cost of reinforcement, binding wire, cutting, bending cranking and tying, in position with binding wire assembly etc complete.	5430 kg	58.00	Kg	314940.00
7	Plastering with C.M.1:3 for 20mm thick including curing etc complete.(well inner)	100 sq.m	204.00	sq.m	20400.00
8	Plastering with C.M.1:3 for 12mm thick including curing etc complete.(well outer)	30.00 sq.m	107.00	sq.m	3210.00
9	Plugging the bottom of the well in C.C 1:3:6 using 40mm gauge hard broken stone jelly for plain concrete works including laying in layers of not more than 15cm thick including ramming curing etc complete	2.50 cu.m	2794.50	cu.m	6986.25
10	White washing one coat	20.00 sq.m	10.00	sq.m	200.00
11	Colour washing two coats	20.00 sq.m	20.00	sq.m	400.00
12	Supplying and fixing C.I.steps.	32 nos	347.00	each	11104.00
13	C.C 1:2:4 using 20mm gauge hard broken stone jelly for PCC works including laying, ramming, curing etc complete for benching and channeling as directed.	1.8 cu.m	3594.50	cu.m	6470.10
14	Refilling with excavated earth (other than sand)	14.00 cu.m	14.10	cu.m	197.40
15	Disposal of surplus earth	101.00 cu.m	73.55	cu.m	7428.55
16	Supply and erection of Cast Iron single faced manually operated rising type 0.35mm dia penstock conforming to relevant IS with IS markings on it, having cast iron door and frame with Gunmetal seating, spindle made of Stainless steel, CI head stock with gear arrangement and hand wheel fitted in well.	1 no	219268.00	each	219268.00

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
17	Supply and installation of SS screen with 50x10mm tk flats for outer frame and 50x10mm SS flats spaced at 35mm centre to centre to serve bar screens inside the screen well	1 No.	599000.00	each	599000.00
18	Supply and installation of SS open mesh flooring with 25x6mm thick flats for outer frame and 25x3mm SS and 12x3mm SS flats spaced at 30mm and 60mm respectively forming a mesh over the wells for operation of pumps/Pulley block (As per data enclosed)	1 No	684000.00	each	684000.00
19	Providing Fusion bonded epoxy coating not less than 175 microns thickness and upto 300 microns to reinforcement of all diameters as per IS 13620/1993 including testing of coating at plant. The rate is inclusive of cost of careful handling, PVC coated binding wires, touch up material supplied by coating agency, repair work, loading, unloading and straightening of bent rods etc. complete as per specification and as directed by the Engineer in charge (inclusive of all taxes and transportation charges)	5.40 MT	13164.00	MT	71085.60
Total					<b>2348486.71</b>
<b>BILL NO. 2 CONSTRUCTION OF VALVE CHAMBER</b>					
1	Excavation in hard stiff clay, stiff black cotton, hard red earth, shales, muram, gravel stoney earth and earth mixed with small size boulders as per SS 20B with initial lead of 10m and lift of 2.0m etc. complete.	69.50 cu.m	40.00	cu.m	2780.00
2	Supplying and filling sand for foundation and basement including watering, consolidating, ramming etc. complete.	3.40 cu.m	437.00	cu.m	1485.80
3	P.C.C 1:3:6 using 40mm gauge hard broken stone jelly including laying in layers of not more than 15cm thick including ramming curing etc complete	3.40 cu.m	2710.00	cu.m	9214.00
4	Stock brick work with second class bricks in CM 1:5 for 23cm thick wall including curing etc.,	13.90 cu.m	4356.00	cu.m	60548.40

Signature of the tenderer with seal

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
5	Providing form work with centering for soffits of reinforced cement concrete slabs or plain surfaces including strutting upto 3m high.	3.00 sq.m	581.00	sq.m	1743.00
6	Supplying and fixing C.I.steps.	12.00 Nos.	347.00	Nos.	4164.00
7	Plastering with C.M.1:3 for 12mm thick including curing etc complete.	139.80 sq.m	107.00	sq.m	14958.60
8	Cement concrete 1:2:4 using 20mm gauge hard broken stone jelly for plain cement concrete works including laying, ramming, curing etc complete	0.30 cu.m	3510.00	cu.m	1053.00
Total					<b>95946.80</b>
<b>BILL NO. 3 CONSTRUCTION OF COLUMN AND ERECTION OF ISMB 400</b>					
1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of M20 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, fixing, fan clamps etc., as per standard specification and as directed by the departmental officers complete.-1m3				
	i) upto 1.5m from G.L	0.20 cu.m	3688.00	cu.m	737.60
	ii) 1.5 m to 4.5m above G.L	0.40 cu.m	3730.10	cu.m	1492.04
2	Providing form work with centering for soffits of reinforced cement concrete slabs or plain surfaces including strutting upto 3m high.	8.00 sq.m	581.00	sq.m	4648.00
3	Supplying, fabricating and laying in position MS rounds or RTS rods for RCC works including cost of reinforcement, binding wire, cutting bending, cranking and tying in position with binding wire assembly, etc.	50.00 kg.	58.00	kg.	2900.00
4	Plastering with C.M.1:3 for 12mm thick including curing etc., complete.	9.00 sq.m	107.00	sq.m	963.00
5	Colour washing two coats over one coat of white washing	9.00 sq.m	30.00	sq.m	270.00

Signature of the tenderer with seal

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
6	Supplying and erection of ISLB 450mm of 65.3kgm for 4m on column over Suction well.	300.00 kg.	65.00	kg.	19500.00
7	Supply and erection of pulley block of 2 Tonne capacity with chain for 17 m length for suction well.	1.00 no.	25852.00	each	25852.00
8	Painting with superior quality ready mixed paint of chocolate, light green, grey or any other approved colour over ISMB (for new iron work two coats).	8.00 sq.m	82.00	sq.m	656.00
Total					<b>57018.64</b>
<b>BILL NO. 4 PIPES AND SPECIALS FOR SUCTION WELL</b>					
1	Supplying and delivery at site the following sizes of C.I push - on joint specials as mentioned below confirming to IS: 9523 including loading, unloading and stacking at the site etc as directed by the engineer at site .including earth work excavation				
	Specials for Sluice valve - 150mm				
a	150mm fl/spi CI TP	3.00 Nos	1754.44	each	5263.32
b	150mm fl/soc CI TP	3.00 Nos	1983.28	each	5949.84
	Specials for Suction pipe - 150mm			each	
a	100X150mmφ CI D/F Tapper	3.00 Nos	2068.80	each	6206.40
b	100mmφ CI D/F 90° Duck foot Bend	3.00 Nos	2143.28	each	6429.84
c	100mm CI d/f Pipe-2.00m length	4.00 Nos	4461.68	each	17846.72
d	100mm CI d/f Pipe-1.50m length	3.00 Nos	3575.10	each	10725.30
e	150mm CI d/f 90 deg bend	4.00 Nos	2542.68	each	10170.72
f	150mm CI d/f Pipe-1.00m length	4.00 Nos	4632.61	each	18530.44
g	150mm CI d/f Pipe-2.00m length	8.00 Nos	7371.06	each	58968.48
h	150mm CI d/f Pipe-0.30m length	10.00 Nos	2564.50	each	25645.00
i	300x200mmφ CI All Flange tee	3.00 Nos	12334.72	each	37004.16
j	200X150mmφ CI D/F Tapper	3.00 Nos	3082.36	each	9247.08
k	300mmφ CI Blank Flange	2.00 Nos	3013.64	each	6027.28
l	300mmφ CI fl/spi TP	2.00 Nos	6144.36	each	12288.72
m	300mm CI d/f Pipe-2.00m length	1.00 No	22359.34	each	22359.34
n	300mm CI d/f Pipe-0.50m length	2.00 Nos	9814.79	each	19629.58
o	300mm CI All/FI. Tee	1.00 No	13655.02	each	13655.02
p	300mm dia M/J Collar	3.00 Nos	7137.00	each	21411.00
2	Supplying,conveying and fixing the Non-return valves				
a	150mm	1.00 No	10800.65	each	10800.65

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
3	Supplying,conveying and fixing the sluice valves				
a	150mm	2.00 Nos	7706.25	each	15412.50
4	Joining the C.I.Double flanged pipes and specials with rubber insertion to the required specifications with M.S. bolts and nuts, complete and testing the pipes to the required pressure with water (including cost of jointing materials).				
a	300mmφ	23.00 Nos	349.60	each	8040.80
b	200mmφ	6.00 Nos	221.50	each	1329.00
c	150mmφ	70.00 Nos	201.60	each	14112.00
d	100mmφ	23.00 Nos	116.50	each	2679.50
	Total				<b>359732.69</b>
	<b>BILL NO. 5 ELECTRICAL WORKS</b>				
1	Supply, delivery, erection, testing and commissioning of non-clog submersible sewage pumpset of approved make with following duty point, driven by 3 Ph, 415 V, AC, 50 Hz, 960rpm,3Ph Electrical Motor with suitable weather proof cable (Copper ) of total length upto control panel, control panel, Pedestal Coupling, guide wire / guide pipe (GI-50 mm dia) of sufficient height , S.S.(Stainless Steel) lifting chain of sufficient length necessary level controlling probes with sufficient length of armoured copper LTUG cable to connect the probe from the junction box to the control panel, fasteners including laying of pump cable under ground with suitable conduit and clamping on walls in trays and incidental civil works etc.complete.				
	For discharge of 120 lps against a total head of 22 m .	1.00 set	987300.00	Set	987300.00
2	Supply, delivery, erection, testing and commissioning of following sizes of power shunt capacitor for power factor improvement, suitable to operate on 415V, 3Ph,50Hz A/C supply, on suitable angle iron frame-works (37.5 mm x 37.5 mm x 6.24mm ) at a height of 0.25m from the ground, including earthing and incidental civil works etc., complete.				
a	2 x 30 kVAR .	60.00 kVAR	417.00		25020.00
b	2 x 10 kVAR	20.00 kVAR	417.00		8340.00

Signature of the tenderer with seal

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
3	Supply, delivery, erection, testing and commissioning of floor mounted M.V. panel with aluminium bus bars and consisting of the following accessories with necessary interconnections between busbars, switches and trunking box, measuring instruments such as Ammeter, Voltmeter, selector switches, PF meter, capacity of M.V. Panel - 100 Amps etc., complete (All MCCB with extended rotary handle) 2 Nos. 100 A, 415V, 35 kA, 4P MCCB 2 No. 63 A, 415V, 3P, 35 kA MCCB 2 Nos. 32 A- 415V MCCB 2 Nos. 32 A - 415V TPN switch	1.00 Sets	165000.00	Set	165000.00
4	Supply and fixing of LT metering box	1.00 Nos	24460.00	Each	24460.00
5	Supplying and fixing of 200 Amps, Triple Pole FSU with HRC fuse on suitable angle iron frame with earth connection only	1.00 Nos	10531.00	Each	10531.00
6	Supplying and clamping of various sizes of PVC insulated PVC sheathed armoured aluminium LT UG cable by MS clamps on wall.				
a)	-DO- 4 core 16 sq.mm.	60.00 m	231.00	Metre	13860.00
b)	-DO- 3 ½ core 35 sq.mm.	25.00 m	319.00	metre	7975.00
c)	-DO- 3 ½ core 50 sq.mm.	25.00 m	391.00	Metre	9775.00
d)	-DO- 3 ½ core 70 sq.mm.	25.00 m	477.00	metre	11925.00
e)	-DO- 3 ½ core 95 sq.mm.	25.00 m	593.00	metre	14825.00
f)	-DO- 3 ½ core 120 sq.mm.	50.00 m	723.00	metre	36150.00
7	Supplying and fixing of cable gland and lamination with Aluminium cable by PVC UG cable and with earth connection				
a)	DO-3 ½ core 25 sq.mm.	4.00 Jt	455.00	Joint	1820.00
b)	-DO- 3 ½ core 35 sq.mm.	4.00 Jt	476.00	Joint	1904.00
c)	-DO- 3 ½ Core 50 sq.mm.	4.00 Jt	489.00	Joint	1956.00
d)	-DO- 3 ½ core 95 sq.mm.	4.00 Jt	688.00	Joint	2752.00
e)	-DO- 3 ½ core 120 sq.mm.	8.00 Jt	723.00	Joint	5784.00
8	Supply fixing and erection of suitable junction box with terminal blocks mounted on suitable angle iron frame (IP 65)	2.00 Nos	8300.00	Each	16600.00
9	Fabrication, supplying and fixing of MS junction box including heavy duty connector block.	2.00 Nos	2500.00	Each	5000.00

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
10	Run of 2 of 2.5 sq mm PVC unsheathed copper single core cable in PVC pipe for mains with continuous earth connection by 14 SWG wire From the MCB DB to the Switch boards in office, store, and 16A power socket.	50.00 m	101.00	m	5050.00
11	Wiring with 2.5 sq mm PVC insulated multistrand core copper cables of 650 V Grade on suitable rigid PVC pipe on wall and ceiling with PVC accessories, with MS switch box covered with 3 mm thick hylam sheet with continuous earth wire connection of 2.5 sq mm wire.				
a)	Light points	12.00 Pt	1818.00	Pt	21816.00
12	Supply, delivery and erection of Three Phase 6 way 32 Amps, 10kA LDB with the following: 1 No of 40 A FP isolator for incoming supply 3 Nos. of 16A, DP RCCB 3 Nos. of 16A, SP MCB 1 No of 16A, DP MCB 3 Nos of 6A, DP MCB in sheet steel enclosure fitted with busbars and neutral links and suitable angle iron frame works with provision for earthing etc. complete.	1.00 Nos	13700.00	E	13700.00
13	Lighting Fixtures				
a)	Supply and installation of industrial type 215 V 2 x 40 W Flouresent TL fitting box type with enamelled reflector complete with all accessories -choke, starter, tube, etc. suitable for wall mounting or roof mounting on conduit tube.	8.00 Pt	1388.00	each	11104.00

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
14	Supplying and fixing of 48" sweep AC ceiling fan complete with regulator with 1m down rod (steam pipe) including supplying and fixing of fan clamp with side plates and cross arm.	1.00 Nos	1884.00	Each	1884.00
15	Supplying and fixing of 12" sweep AC exhaust fan complete including providing necessary opening in the wall	1.00 Nos	1567.00	Each	1567.00
16	Earthing as per ISI specifications with necessary masonry work	6.00 Nos	1585.00	Each	9510.00
17	Supply and connection of earthing conductor including two coats of approved painting and laying between earth pit and equipments				
a)	25 x 6 mm GI Flat	50.00 m	200.00	m	10000.00
b)	50 x 6 mm GI Flat	60.00 m	325.00	m	19500.00
	Total				<b>1445108.00</b>
<b>BILL NO. 6 PROVIDING KIOSK</b>					
1	Earth work excavation in hard stiff clay, stiff black cotton, hard red earth, shales, muram, gravel, stoney earth and earth mixed with small size boulders as per SS 20 B with initial lead of 10m and lift 10 m and lift of 2.00 m.	2.40 m3	40.00	m3	96.00
2	Supplying and filling with sand for foundation and basement including watering consolidating, ramming etc. complete.	2.90 m3	437.00	m3	1267.30
3	Cement Concrete 1:3:6 using 40 mm gauge hard broken stone jelly for plain cement concrete works including laying in layers of not more than 15cm thick including ramming,curing etc complete	1.24 m3	2710.00	m3	3360.40
4	Brickwork CM 1:4, 23cm wall, up to 1.5m above GL and 1.5m Below GL.including curing etc.complete	2.20 m	4436.00	m	9759.20
5	Granolithic flooring 25mm thick with cement concrete 1:2:4 mm using 3-10 mm chips and top surface rendered smooth with cement including thread lining 25mm dia G.I. pipe of necessary length of water outlet curing etc. complete.	6.30 m2	204.00	m2	1285.20
6	Plastering with cement mortar 1:4 for 12mm thick including curing etc, complete.	12.41 m2	98.00	m2	1216.18

Signature of the tenderer with seal

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
7	Supplying and providing chain link fence with RCC posts. The RCC posts will be of 2.5m c.c. and of 2.75m ht. The posts will be 100mm square at top and 150mm square at bottom 2.15m ht aboveground level and 0.60m below ground level fixed in c.c. foundation in 1.:4:8 of 40mm size stone jelly used. The foundations is of size 45 x 45x 90 cm including sand and filling of 15 cm ht. The fencing will be of chain link 75mm size 10 gauge. The height of fence is 2.0m after leaving 75mm gap from ground level including fixing the fence with the posts using G.I. binding wire etc. complete.	15.00 m	701.00	m	10515.00
8	Construction and erection of Kiosk 3X2.10X2.40/2.10.				
i)	Supplying and fixing of MS Steel as directed at site.	585.00 Kg	65.00	Kg	38025.00
ii)	Painting with one coat of priming coat and two coats with superior quality of ready mixed paints of approved colour (for new iron work two coats)	63.00 m2	116.00	m2	7308.00
9	Supplying and fixing Gate 2mX2m				
i)	Supplying and fixing 40mm GI Pipe	12.00 m	337.00	m	4044.00
ii)	Supplying and fixing MS items as directed at site.	60.00 Kg	65.00	Kg	3900.00
	<b>Total</b>				<b>80776.28</b>

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
	<b>BILL NO. 7 INTERCONNECTION WORK FOR 400MM DIA PG.MAIN INTO COLLECTION WELL</b>				
1	Supplying, laying, jointing with Lead/Lead wool joints (Labour only),testing of C.I. pipes-B Class including earthwork excavation for trenches in hard stiff clay, stiff black cotton, hard red earth, shales, murams, gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil, depositing the earth on banks with initial lead of 10m. and carting of pipes to the site of work, lowering into trenches and aligning, refilling the trenches with excavated soil, watering and ramming to consolidation, disposal of surplus earth etc., complete (Timbering included for Depths 2.50m,3.0m,3.5m,.....upto 8.5m)				
	a)400mmφ at 5.00m depth	19.90 m	14785.86	m	294238.61
2	Hiring of Breaker or Compressor for removing highly thicked Asphaltic concrete road surface including Diesel, Operator and Helper etc. complete.	16.00 Hrs.	350.00	Hrs.	5600.00
3	Providing the end concrete with pcc 1:3:6 using 40mm gauge hard broken stone jelly for plain cement concrete works in layers of not more than 15cm thick including ramming curing, etc.,complete.	4.00 cum	2710.00	cum	10840.00
4	Barrication work along one side of the trench for laying the pipe line with casuarina post at 1.52m centre to centre (8 to 10 cm dia. and 1.52m height) verticals, painting the vertical posts in different colours, tying with coir rope, fixing danger flags, danger lights, reflectors including watching during night for 1 metre.	30.00 Rm	21.00	Rm	630.00
	Cost of timbering and labour charges for timbering used in sewer laying works (C.I. pipes and SW pipes)-For 400mmφ Pipe.				
5	a)At 5.00m depth	10.00 m	4071.55	m	40715.48
6	Hire charges for Diesel Pumpset above 3HP to 7.5HP.	96.00 Hrs.	139.70	Hrs.	13411.20
7	Refilling trench with excavated earth.	120.00 cum	14.10	cum	1692.00
8	Disposal of surplus earth	3.00 cum	73.55	cum	220.65

Signature of the tenderer with seal

### Work schedule

Name of work - Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

Contract No. CNT/SEW/GOTN/ CMCDM/2388/ 2013-14

Sl. No.	Description of work	No. or Qty	Rate Rs. P.	Per	Amount Rs. P.
9	Testing of M.S./C.I./P.V.C./D.I pipes with hydraulic testing equipment by filling with water(including cost of water) and testing to recommended pressure in convenient stretches and attending the bursts if any occurred during the test, excluding the cost of pipes, including other incidental and operational charges, etc., complete for the following diametres of pipes-400mmφ CI Pipe.	20.00 m	93.00	m	1860.00
	Total				<b>369207.95</b>

Name of Work: Construction of road side pumping station and allied works at Parthasarathy (N) street in Depot 114, Area-IX-Part-I

CNT/SEW/GOTN/CMCDM/2388/2013-14

**Details of Milestone and Liquidated Damages**

S. No	Description	Total Quantity of work to be completed in %	Cumulative Qty of work to be completed		
			1 <sup>st</sup> Mile stone up to 2 months	2 <sup>nd</sup> Mile stone upto 4 months	3 <sup>rd</sup> Mile stone up to 6 months
1	Construction of Suction Well of 3.00m Dia., Valve Chamber and column and erection of ISMB 400 and allied works for Suction Well etc, complete	100%	50%	100%	100%
2	Electrical works and Providing Kiosk with allied works etc, complete	100%	--	30%	100%
3	Interconnection work for 400mm dia Pg.main into Collection well etc. complete	100%	--	-	100%

The Liquidated damages for the whole of the works are Rs. 2380/- per day and that for the milestone are as under

**LIQUIDATED DAMAGES**

- I Mile Stone - Rs. 715 /- per day
- II Mile Stone - Rs. 945/- per day
- III Mile Stone - Rs. 720- per day

Signature of Tenderer with Seal