

# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT FACE SHEET TO ACCOMPANY THE TENDER DOCUMENTS TENDER No.CE/ 89/2017

- A. 1. Name and full address of the Contractor to whom the Tender Documents are issued. :
  - 2. Whether registered with Engineering (Civil) Department, if so, class of registration. :
  - 3. If not registered, reference to the letter of the Chief Engineer authorising issue of the tender Documents. :
  - 4. Date of issue of Tender Documents.
- B.1. Name of work: Operation & maintenance of 100m<sup>3</sup> capacity STP at Hospital at Headland for a period of two years. (2018 & 2019)
  - 2. Cost of each set of Tender Documents: Rs. 500/-
  - 3. Date and Issue of Tender Documents : From: 20/11/2017

To 05/12/2017

- 4. Date of receipt of tender and time : 06/12/2017 UPTO 3.00 pm
- 5. Amount of E.M.D. : Rs. 10,800/-
- 6. Date of opening of tender and time : On 06/12/2017 at 3.30 p.m.
- 7 a) Whether E.M.D. received : Yes/No.
  - b) if so, in which shape : D.D./Cash Receipt
- 8. Form of contract : Percentage rate
- 9. Whether rates have been quoted in both: Yes/No.

the tenders in words and figures.

10. Total No. of Tenders received for the work:

AXEN(ACCTS)

**EXECUTIVE ENGINEER** 



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT TENDER NO.CE/89/2017

Name of Work: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS (2018 and 2019).

- 1. Tender Notice
- 2. Form of Tender.
- 3. Appendix I.
- 4. Additional General Instructions to Tenderers.
- 5. Additional Special Conditions of Contract.
- 6. Scope of work
- 7. Process Description.
- 8. Form of bank guarantee for security deposit
- 9. Form of agreement
- 10. Directions to Tenderers for filling in the Schedule of quantities & rates
- 11. Schedule of Quantities & Rates
- 12. S.T.P.Layout /Flow diagram
- 13. Daily report Formats
- 14. Proforma for GST Details
- 15. Vendor Registration Form

MORMUGAO PORT TRUST, ENGINEERING CIVIL DEPARTMENT, MAIN ADMINISTRATIVE OFFICE BLDG, HEADLAND, SADA, GOA.



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT

#### TENDER NO.CE/ 89 /2017

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

### TENDER NOTICE NO. CE/ N-88 /2017

Sealed tenders in SINGLE COVER system are invited on Percentage Rate Basis from the contractors Unregistered and Registered with MPT/ PWD/ CPWD/ Railways/ Central/State Govt., GSIDC, etc. who have successfully carried out **similar works** in the past.

Tender No.	Name of work	Cost of tender document (non refundable)	Estimated cost of work put to tender	Sale of tender documents From/To
	Class of contractor eligible to tender	Earnest money deposit	Period of contract	Date of opening of tender
	Operation and maintenance of 100 m3 capacity Sewage Treatment Plant of MPT Hospital at Headland Sada for a period of 2 years.	Rs.500/-	Rs.5,36,352/-	20/11/2017 To 05/12/2017 Upto 3.00 p.m.
	Class 'D' and above having experience in similar type of work	Rs. 10,800/-	Two year	06/12/2017 at 3.30 p.m.

- Tender documents may be obtained from the office of the Financial Adviser & Chief Accounts Officer, Mormugao Port Trust at Headland, Sada, Goa on payment of Rs.500/per set which sum will not be refunded.
- 3. Tender documents will not be sent by Post or Courier Service.

- 4(a). The Earnest Money should be lodged in the form of cash/Demand Draft or Bankers Pay Order in the name of the F.A.& C.A.O./MPT from any Nationalized Bank/Scheduled Bank within the limits of State of Goa.
- (b) The EMD and the Tender Document should be put in separate sealed envelope and both the envelopes should be placed in a third envelope properly sealed. The inner envelopes should be separately marked as 'EMD' and 'Tender' as the case may be. The outer envelope shall bear the identifications like:
  - (i) Tender No.
  - (ii) Name of Work
  - (iii) Bidder Name and Address and
  - (iv) Due date and time of bid opening.

**Note:** If the envelopes are not sealed properly, MPT will assure no responsibility for the misplacement or primitive opening of the bids submitted.

- (c) Bids if not accompanied with requisite EMD by the parties as indicated at (a) above and in the manner described at 4(a) and 4(b) above, shall be treated as invalid and shall not be opened.
- 5. Tenders submitted will remain open for acceptance for a period of 120 days from the date of opening of tenders.
- 6. The entire work under this contract is required to be completed within **2 years** from the date of receipt of pre-acceptance letter/work order.
- 7. Counter conditions stipulated in completion period by Contractor will not be considered. Tenders with counter condition are likely to be rejected summarily without assigning any reason thereof.
- 8. Time is the essence of the contract. Liquidated damages for delay in completion of work shall be recovered at the rate of 0.5% of the contract price per week or part thereof subject to maximum ceiling of 5% of the contract price.
- 9. Free maintenance period is not applicable to this contract.
- 10. The tenderers are strongly advised to inspect the site of work and acquaint themselves with site conditions and quantum of work involved etc. before tendering. Such an inspection can be arranged in consultation with the AEN (HL-I).Ph.No.0832- 2594653
  - 10. The tenderers must not quote counter conditions involving extra expenditure. The tenderers should refrain from sending revised or amended offers after the closing date of the tender. The Chief Engineer reserves the right to reject such offers without assigning any reasons thereof.
  - 11. The original tenders to be submitted should be enclosed in a sealed cover and super scribed "Operation and maintenance of 100 m3 capacity Sewage Treatment Plant of MPT Hospital at Headland Sada for a period of 2 years "and should be addressed to The Chief Engineer, Engineering (Civil) Department, Mormugao Port Trust, Headland. Sada, Goa-Pin: 403804.

- 12. The tenders complete in all respect should be placed in the Tender Box (marked Tender No. CE/89/2017) kept inside the cabin of AXEN/Accts, CE's Department up to 15.00 hrs. on due Date and tenders will be opened at 15.30 hrs. on the same day in the presence of such tenderers who may wish to be present.
- 13. The tenderers should specifically note that their offers, whether sent by post or by hand delivery, must reach the office on or before the due date and time. Offers received late will not be considered even though posted in the Post Office before due date.
- 14. The Chief Engineer reserves the right to reject any or all the tenders received without assigning any reasons thereof.
- 15. Unsigned tenders will not be considered.
- 16. The tenderers are requested to obtain certificate of registration under Rule No.24 of the Building & Other Construction Workmen's Central Rules, 1998 from the office of the Asst. Labour Commissioner.
- 17. The contractor should comply with the provision of Building & Construction Workmen (Regulation of Employment and Condition of Service) Act, 1996. The Act envisages that every contractor shall obtain registration certificate from the Registering Officer if he engages 10 or more workmen for the work.
- 18. The tenderer should strictly note that they shall not be allowed to fill in the tender or seal the tender in the MPT premises.
- 19. Tenderers may please note that as per new Govt. directives, successful tenderers, on receipt of work order, shall be required to furnish the details of Bank accounts in which he/she/they desire the e-payments to be made for cutting delays in making payments.
- 20. Tenderer should comply with all regulations of EPF, ESI, ALC, etc. No bill will be forwarded if the above regulations are not followed.
- 21. GST Registration for the bidder is mandatory. Goods and Service Tax has to be claimed extra as applicable while submitting the bills.

CHIEF ENGINEER



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT

### **TENDER NO.CE/89/2017**

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

### **FORM OF TENDER**

The Chief Engineer,

Mormugao Port Trust.

Headland Sada, Goa

I/We \_\_\_\_\_\_ do hereby offer to execute the work comprised in the annexed Tender Notice "Operation and maintenance 100m³ capacity STP at MPT Hospital at Headland for a period of two years.(2018 & 2019)" in strict accordance with the instructions to Tenderers, General conditions of Contract, Specifications etc. and Addendum to Specifications, Special Conditions of Contract etc. at the

percentage rate entered in the attached Schedule of Quantities and Rates.

- 2. I/We undertake the work included in the Schedule of Quantities and Rates with the Contract period of 24 months from the date of receipt of work order. I/We also agree that this tender will remain open for acceptance until disposed off by the Trustees of Port of Mormugao. I/We have independently considered the question of the amount of loss or damage likely to result to the Trustees from the delay on my/our part in the performance of the contract and I/We agree that the Penalty mentioned in ASCC clause no 21 of the contract is a fair estimate of the loss likely to result from the default in carrying out the operation & maintenance of plant.
- 3. I/We send herewith a sum of Rs.10800/- (Rupees ten thousand eight hundred only) as a deposit or earnest money as proof of my/our willingness to enter into the contract if my/our tender is accepted.
- 4. In the event of my/our tender being accepted, I/We agree to enter into a contract in the prescribed form with such alterations or additions thereto which may be necessary to give effect to the acceptance of this tender and such contract shall contain and give full effect to the Specifications, Schedule of Quantities and Rates attached to this tender.

- 5. I/We also, agree if awarded the contract that the earnest money lodged with this tender will be retained by the Trustees towards part of the Security Deposit and to make further deposit by cheque/demand draft/G.P. Notes/Securities of Public Bodies/10 years defense certificates/Units from Unit Trust of India /by way of a Bank Guarantee, within twenty eight days or such extension of the period permitted by the Chief Engineer, in writing, after receipt of information that my/our tender has been accepted by the Port Trust.
- 6. I/We further agree, if awarded the contract, to lodge the Retention Money equivalent to 10% of the contract price of my/our tender by way of deductions from my/our bills at the rate of 10% of the gross value of work certified in each bill till the amount of 10% of the contract price is accumulated.
- 7. I/we agree to abide by this tender to be valid for the period of 120 days from the date fixed for receiving/opening the same and it shall remain binding upon me / us and may be accepted any time before the expiration of that period.
- 8.I/We hereby agree for deduction from gross value of work certified in each bill from the amount payable to me/us towards Income tax and any other taxes applicable from time to time.
- 10. I/We have inspected the site and I am/We are fully aware of the work to be carried our while tendering for the contract.
- 11. \*(A) Mine is a proprietary firm and I am the sole proprietor of the firm. My firm is/is not registered with Registrar of firms.

Name:	
Age:	years
(B)	Ours is a partnership firm and the names of all major partners are given below:

	<u>ivame</u>	<u>Age</u>
1		years
2		Years
3		Years
4		Years

We understand and confirm that if our offer is accepted, the contract will be entered into with the above-mentioned partners only and the Trustees will not recognize or deal with any minor partners or their guardians.

\*(C) Ours is a Company with liability and a copy of our Memorandum and Articles of Association will be sent for perusal upon acceptance of our offer.

Proposed contract is intended to be signed by a duly constituted Attorney and original power of Attorney in his favour will be submitted for perusal immediately on acceptance of the tender.

13.	The o		will be comple Guarantee		the C	omp in	•	Commo No.5	n Seal. above	will	be	from
14. Certifi 15.	cate N	o. is	registered fo			f Go	a Sales	Tax Ad	ct and m	y/our	regist	ration
•		and may	and that the I					-		-		-
	are pi	rinted in	and understo Volume –I su remain bindir	applied to	me b				•			
18. to Ten	I /we		iclosed herew	ith the fo	llowin	g do	cumer	its as re	equired ι	ınder	instru	ctions
	a)		ization Chart.									
	b)	_	similar works	carried ou	it by n	ne/u	ıs.					
	c)	Bar Ch	art.									
	d)	List and	description o	f main pla	nt and	l equ	ıipmen	ts				
	-	•	I to be used o		k.							
NAME	AND A	ADDRESS	OF TENDERE	R:-								
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Witne	SS: -											
Date: _			Day of		2017							
Witne	ss: -			_								
Witne	ss: -											

N.B.: \* Strike out whichever is not applicable.

<sup>\*\*</sup> Here the Name of the Bank should be stated.



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT

# **TENDER NO.CE/89/2017**

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

### <u>APPENDIX - I</u>

The following Clauses shall be read in conjunction with respective clauses of General Conditions of Contract.

### Clause No. and Description

### **CONDITIONS OF CONTRACT**

11(1)	Amount of initial security and time :	EMD to be converted as SD, to be released after successful completion period of 24 months
38	Period for commencement from the Chief Engineer's orders to commence.	within 07 days from receipt of Work Order/as per work order
40	Contract period :	24 months.
43	Amount of liquidated damages. :	Not applicable However Clause No 21 of ASCC is applicable for penalty of Default to attend activity.
54(1)	Percentage of retention from each running account bill :	10%. Also please refer Cl. No. 5 of additional instructions to tenders
54(1)	Limit of Retention Money	10% value of the contract.
11(1) 54(1)	Total initial Security Deposit and Retention Money.	EMD+10% value of the contract.
54(1)	Minimum amount of interim Certificate.	Rs.1,30,000/-
45(1)	Free maintenance period	Not applicable
54(4)	Time within which payment to be made after contractor's submission of the bill.	Undisputed bills will be paid within 30 days from date of submission of the bill
69	Mobilisation Advance.	Not applicable to this contract.
69	Interest rate on mobilization advance	Not applicable to this contract.
69	Mode of recovery of mobilisation advance	Not applicable to this contract

66 Arbitr	ation clause of Gene	eral conditions	: Not applicable to this cor	ntract.
GCC clauseMinin No. 13, 14,insura 15& 16		third party	Not applicable to this co	ntract
Dated this		day of	2017	
Signature		in the cap	pacity of	
		duly authori	ised to sign tender for and on	
behalf of _				
	(IN BLOC	CK LETTERS )		
	A	ADDRESS:		_
Witness: _				
Occupatio				

Variation in price of labour and materials : Not applicable to this contract



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT TENDER NO.CE/ 89 /2017

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

#### **ADDITIONAL GENERAL INSTRUCTIONS TO TENDERERS**

- 1. The work shall be carried out without disturbing the operation of Port or other agencies working in the area.
- 2. All materials bought for use shall be stored properly in a store room, to be built by contractor at his cost. Register of account of materials be maintained at site.
- 3. The Plant/machinery required during the maintenance period shall be arranged by the contractor during the maintenance period at his own cost.
- 4. The Bidder shall also assess and include the cost of materials, labour, tools and plant and machinery/equipment for the maintenance works
- 5. Bidders are advised to go through the Schedule of Quantities and Rates and sequence of work before submission of the tender. They are also advised to inspect the structure, ascertain for themselves the nature and the extent of work involved and also obtain all clarifications they may require before filling in the tender.
- 6. Bidders are required to sign with date the Schedule of quantities and Rates and the form of Quotation and fill in all the particulars and details called for therein. Unsigned quotations, without the details called for are liable for rejection.

#### 7. Measurements

The quantities provided for in the Schedule of Quantities and Rates are only approximate and are given to provide a common basis for tendering. The actual quantity may differ from those provided for in the Schedule in view of the complexity of the work. Payments will be made according to the actual quantities of work ordered and carried out, jointly measured by the representative of Chief Engineer and the contractor.

#### 9. Rates and Prices to be inclusive.

The rates entered in the Schedule of Quantities by the contractor shall include the provision of all supporting special equipment, labour of required skill, supervision, materials, erection, overheads and profits, watch and ward, insurance charges, during execution and every incidental and contingent costs and charges, whatsoever, excluding GST if any for compliance with conditions of contract and specification. The GST will be paid extra as applicable which shall be claimed along with the Bill.

10. The specifications are intended to cover the execution of all works, necessary to complete the works, with all materials of accepted standards, as specified in the contract.

## 11. Method of Measurement

#### General

Unless stated or billed otherwise, all quantities shall be 'net' as they finished and provided in the work. The rates and prices shall include all allowances towards wastage of materials required for use in the work.

- 12. The tenderers will be deemed to have ascertained themselves to the extent and nature of the works involved, the various constraints and high degree of skill involved in the works.
- 13. Time is the essence of contract and the entire work should be completed within a period of **24 months** as specified in the schedule.
- 14. The Contractor's field staff shall be fully experienced in the type of work to be carried out.
- 15. The Bidder shall inspect the site and fully study the work involved vis-à-vis the quantity and specifications etc. before quoting for the work.
- 16.All the materials to be used in the structure shall be conforming to relevant ISI specification or as specified in the Tender Schedule Contractor shall undertake laboratory test as specified in the relevant ISI at the discretion of Chief Engineer and only approved materials /approved brand of materials shall be used.

- 17. Security Deposit which is EMD plus 10 % Retention Money (deducted from the bills) shall be refunded to the contractor only after successful completion period of 24 months
- 18. The contractor shall quote the prices exclusive of GST. Applicable GST shall be paid on the quoted price .The bidder shall indicate the applicable GST rate on the goods / services in the price bid.
- 19. GST registration for the bidder is mandatory. Bidder has to enclose attested copy of GST Registration no along with the Tender. GST has to be claimed extra as applicable while Submitting the Bill/bills.
- 20. Unregistered Venders under GST has to submit Declaration that GST is not applicable to him, due to turnover of less than 20 Lakhs.
- 21. The Vendor shall quote GST No. of MPT (30AAALM0293P1ZY) on all invoiced raised on Port. If vendor is not registered under GST or opted for composition scheme under GST, undertaking of the same shall be submitted by the Vendor.

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# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT TENDER NO.CE/89/2017

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

#### ADDITIONAL SPECIAL CONDITIONS OF CONTRACT

- 1. The sewage treatment plant will be operated 8 Hrs daily unless any incidental occurrence preventing the smooth functioning of plants.
- 2. Electricity required for operation of the sewage treatment plant and water for the use of plant will be supplied free of cost, also the operator room and store room attached to plant shall be given free of cost to the contractor by Mormugao Port Trust.
- The contractor shall guarantee quality performance of plant comprising the effluent limits to remain within the permissible limits or as prescribed during the entire tenure of contract period.
- 4. The raw sewage to effluent supply treatment has to be followed regularly as per the manual or as directed.
- 5. The sludge generated from the sewage treatment plant will be dried and disposed off/dumped by contractor at any designated place as indicted by the Port within 2 km distance as part of the contract conditions, including filling in bags.
- The contractor has to execute an agreement with the Port as per tender. The stamp paper and other expenditure incurred by us for preparation of the agreement will be recovered from contractor's bill.
- 7. Bleaching powder, site Lab materials such as litmus paper, chemicals etc, safety equipments, tools, plants, arrangement/requirements of GSPCB personnel at the time of their monthly inspection at S. T. Plant, etc. required for operation at sewage treatment plant shall be arranged by the contractors at their own cost and the same shall be taken into consideration while quoting the rates.
- 8. For operation and maintenance of plant premises, water and electricity shall be free of cost. As such miss-use of electricity, water and premises and Port property is liable for termination of contract.

- 9. The sewage treatment plant premises is to be kept in a neat and tidy conditions at all times, during the tenure of the contract and shall carryout necessary weeding, cleaning etc. of the entire site premises.
- 10. Before commencing the work on site, contractor has to take requisite permission from the Labour Enforcement Officer, Labour Commissioner, municipality, other local agencies/ authorities etc.
- 11. The contractor shall submit the Bio data of his field staff including police verification documents prior OR at the time of their posting.
- 12. The General shift timing shall be followed as directed by Department.
- 13. The contractor has to submit daily two copies of the statement / record to the concerned section before 10 a.m. daily progress reports as per the prescribed format enclosed with this tender.
- 14. The Tenderers are advised to read the operation manual of the sewage treatment plant which is enclosed with the tender set.
- 15. The plant shall be operated by the deployment of persons having proper knowledge and experience in operating this type of plant of matching capacity. The cost of repairing any damage of rectifying malfunctioning which in the opinion of the Chief Engineer is due to improper operational handling of the payment will be recovered from the contractor and the Chief Engineer decisions will be final and binding.
- 16. The scope of this contract is for operation and routine civil maintenance works to be carried out after operation the plant form specified/ directed working hours as specified in or operation manual. The tenderer shall assess and include of the materials, labour, tools and plants and machinery, equipments for the operation and routine Civil maintenance works as above.
- 17. If any Civil maintenance and repair works has to the carried out beyond normal working hours and during night time approval in advance for the working has to obtained from the Chief Engineer.
- 18. Maintenance (Civil Work) of pump's foot valves and other plant machinery to be done by the Contractor.

- 19. Periodic cleaning of the chlorination tank using required bleaching powder etc. The treated effluent from chlorination tank shall be discharged through flow meter pipe line only to assess the total quantity of treated effluent periodically for which record shall be maintained jointly.
- 20. In case of breakdown pumps, motors, gear boxes, any other machines or equipments etc. it shall be brought to the notice of CE dept as well as CE dept by the contractor/his available site workers immediately. All tools, plants, chain pulley block, cranes, etc. required for the repairs/ replacement of civil works/ civil structural works shall be arranged by the contractor. Also in case of any spares required for the repairs/maintenance/replacement of the civil works for the proper/efficient functioning of the plant, the same shall be arranged by the Contractor after taking prior approval of the cost from the competent authority immediately. However the cost of such spares including removing/dismantling and proper refixing, transport, labour charges etc will be considered for payment in RA bills after considering the time taken to attend the repair work on production of documentary evidence within 48 hrs. after completion of work. This replacement of major spares of shall have a warranty against the damage for the period of one year, during this period the contractor shall have the defect liability for the major spares replaced for the period of one year from the date of replacement.

#### 21. Penalty clause.

Following penalty shall be imposed for the default/failure of attending particular item or specified works are not within the time specified as below and the decision of CE or his representative is final.

Sr No.	Description of Item	Penalty
1	Failure to submit monthly test report within the required parameters as per item no 2 as per the schedule.	Rs 1500/- per test
2	If the Asst. Operator is not available at site or not deputed at site or has not performed the duty properly as stipulated in the B.O.Q. item no.1	Rs 550/- per day
3	Non supplying or non providing(dosing) of Sodium Hypochlorite solution @ minimum 1.5 kg per day (shift)	Rs 45/kg
4	If any of STP debris/raw sewage/sludge etc. is found dumped haphazardly in MPT area	Rs. 5000/- per lorry load

#### Note:-

1) Contractor shall obtain the signature daily or as practical from the engineer-in-charge of all the records maintained by them as joint records.

2)Imposing repeated penalty (maximum twice for the similar part failure of contract work) is not relief on the Contractor not to attend the work. Contractor has to arrange to get the work done within a specified/reasonable time as per the nature of work.

3)failing which, with a short notice, the department may enter upon the site and be got the work done by engaging other agencies at the risk & cost of the Contractor as part failure of contract. The contractor shall fully co-operate without any objections/obligations with such other agencies engaged for carrying out part failure of contract works as per scope of works and contract conditions, failure to cooperation with the other agency engaged, double the amount of part failure work awarded to other agency will be deducted from the bill as creation of hindrance/problems to such agency in carrying out the works awarded. In this regard Chief Engineers Decision shall be final and binding.

#### 22. <u>Duties and Responsibilities of Contractor's Field staff posted at Hospital STP:</u>

Male Asst. Operator (having knowledge of sewage treatment, water treatment or any other such plants and systems):-He will be In-charge of proper operation and civil maintenance works as well as all operational machineries of the plant and his prime duty is to take care of entire plant and surrounding premises and to see that the work is carried out as per the contract conditions. He shall exercise supervision, coordination and control in the matter of execution of plant operation and civil maintenance works and contractor and cooperate with department. He shall always maintain the required parameters of sewage effluent treated water with carrying PH value tests etc at site daily and maintain records. He shall maintain the log book, connected reports, meter readings, flow meter readings and any other activities etc and daily reports or as corrected as and when required, as per the requirements and other records during operation and submit daily two copies of the statement /daily job cards / record to the concerned civil section before 10 a.m., and submission of test report in time or as directed. He will see that no breakdowns occur in regular works and in case of any breakdown, power failure etc report to CME and Civil office etc accordingly in time, pursue and persist the matters till it is set right and coordinate and cooperate with departmental Civil as well CME staff etc in repairs and other major works. He will receive all site instructions given from time to time in verbal, telephonic as well as writing by the dept and act in time accordingly.

He will be fully responsible for testing the field tests such as PH value and suspended solids to maintain the desired parameters and characteristics of the treated water always within the permissible limits .(Breakdown period not included), shall be responsible for proper dosage of chemical in time as required, such as Sodium Hypochlorite NaOCI Dosage: minimum 1.5 kg/day for STP/Hospital) or as directed and if

required dosage of Aluminium Sulphate Al2SO4, 7H2O and Polyelectrolyte SS500 to obtain the desired parameters/characteristics of the treated water always, arrangement for sending treated water samples for testing and submission of test reports in time, carrying out PH tests (litmus paper tests or similar type of tests daily) of untreated and treated water, gas etc. at site regularly, arrangements and keeping of account of chemicals and other materials brought at site and maintaining joint record daily.

He shall be responsible for Periodic pumping of sludge to grit chamber, partly sludge bed, etc. as required and directed, Repairs of all pumps foot valves installed of various sizes as & when required, maintenance of sluice valves by providing gland packing etc., Cleaning of non-return valves as & when required including removing and refitting, Maintenance of various interconnecting pipelines and keeping the plant in totally running condition, maintaining the existing STP garden by by watering, cleaning, sweeping, cutting the creeper, bushes and keeping the surrounding area clean.

# 23. The following sewage parameters/characteristics are always required to be maintained strictly.

Sr.	Parameter	Untreated sewage	Treated sewage Characteristics
NO		Characteristics	(strictly to be maintain)
		(approximately)	
1.	Colour & odour	Brown &	Colourless and odourless
		objectionable	
2.	Suspended solids	400 mg/lit.	< 100 mg/lit.
3.	PH	8-10	5.5-8.00
4.	Oil & grease	50 mg/lit.	< 10 mg/lit.
5.	COD	400 mg/lit.	< 250 mg/lit.
6.	BOD @ 27 <sup>0</sup> C	250 mg/Lit.	<10

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## MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT

# **TENDER NO.CE/89 /2017**

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

#### SCOPE OF WORK

- 1. Receiving of entire raw sewage through hospital and treating the effluent in the manner explained in O&M or as directed.
- 2. Cleaning of grit chamber any other chambers, lines as is required... etc.
- 3. Maintaining the flow from one unit to other as is designed or as per the manual ... etc.
- 4. Purifying of treated water from chlorination tank to the fire fighting tank as per directions ... etc.
- 5. Cleaning of chlorination tank, clarifier or any other unit periodically as directed.
- 6. Routine civil maintenance works of sewage treatment plant units as per manufacturers manual or as directed.
- 7. Disposing of sludge as directed.
- 8. Maintaining the entire plant area neat & tidy at all times including carrying out necessary weeding, cleaning the entire area etc.
- 9. Repairs/replacement of any civil equipment service pipelines etc. in case of malfunction or breakdown.
- 10. Supply of Sodium hypochlorite as per Item nos.1 of the BOQ.

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# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT

#### **TENDER NO.CE/89/2017**

# NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

#### **TREATMENT PHILOSOPHY**

The sewage arising from hospital complex is expected to have nautical <u>PH6.5-8.0, BOD 250mg/I. COD 400 mg/I & O & G 50 mg/I</u>me of man concern. For this units, we have proposed primary treatment to remove the unwanted object & coarse grit & oil & grease followed by fixed film technology combined with fine bubble diffuse aeration technique to get highly efficient biological treatment (attached growth system), to meet the discharge standard.

Addition of sodium hypochlorite solution in final treatment water is proposed to maintain necessary residual chlorine to avoid bacterial contamination.

#### **PROCESS DESCRIPTION**

The raw sewage flows by gravity to the STP, raw sewage is passed through screen & grit chamber to avoid entering of unwanted objects, coarse grit. After screening sewage is passed through O & G trap for removal of Oil & Grease before entering into sewage collection tank.

The raw sewage is pumped with help of submersible pumps of capacity 4.5 M3/hr to the Package Sewage Treatment Plant, working on the principle of High Rate Aeration with submerge media. Aspirated air is purged in the aeration tank and mixed with bio-mass generated by seeding. The fine bubbles generated by grid produce good mixing & oxygen transfer. The clarifier is in the form of tube settler. The sludge is settled in the tube settler wherein PVC media is used. Since the process involves retention of biomass on media in the aerobic system, no recirculation is required. The excess sludge is taken to the dewatering system. The overflow from the Tube settler is taken to chlorination tank for chlorine dosing.

# **UNITS SIZES & MECHANICAL EQUIPMENT SUMMARY**

# A. UNITS;

### 1. BAR SCREEN CHAMBER:

No.	:	One
Size	:	1.0Mx0.5Mx0.3M LD + 1.0 FB
MOC	:	RCC
Function	:	To avoid entry of unwanted objects

### 2. GRIT CHAMBER:

No.	:	One
Size	:	2.0Mx0.5Mx0.3M LD + 1.1 FB
MOC	:	RCC
Detention time	:	1 min.
Function	:	To avoid entry of unwanted objects

# 3. O & G TRAP:

No.	:	One
Size	:	3.5 M x 1.5 M x 1.0 M LD + 1.3 FB
MOC	:	RCC
Detention time	:	30 min.
Function	:	To avoid entry of unwanted objects

# 4. RAW SEWARAGE SUMP:

No. of tanks	:	One
Size	:	1.5 M x 1.5 M x 1.0 M LD
Detention time	:	30 min.
Entry of effluent	:	From gravity
Exit of effluent	:	To SAFF reactor through Raw sewage pump
MOC	:	R.C.C.
Function	•	To collect effluent and dampen variations in quality

# 5. SAFF REACTOR:

No. of tanks	:	One
Size	:	5.2Mx2.4Mx3.6M LD + 0.5 FB
MOC	:	R.C.C.
Entry of effluent	:	From top pumped flows
Exit of effluent	:	From Top
Mixing of tank contents	:	Diffuse air

# 6. TUBE SETTLER:

No. of tanks	:	One
Size	:	2.4Mx1.7Mx2.0M LD + 0.3 FB
MOC	:	R.C.C.
Entry of effluent	:	From SAFF reactor launder overflow
Exit of effluent	:	To treated sewage sump launder Overflow
Function	:	To settle suspended particle

# 7. TREATED SEWAGE SUMP:

No. of tanks	:	One
Volume	:	49.02M <sup>3</sup>
MOC	:	HDPE
Function	:	To store effluent water.

# 8. HYPE PREPARATION TANKS:

No. of tanks	:	One
Capacity	:	100 lit
MOC	:	HDPE
Chemical dosing	:	In treated effluent out let
Function	:	To store hypo solution.

# B. MECHANICAL EQUIPMENT

1.	Tag No. AB101A/AB101B	:	Diffuse air blower
	Туре	:	Twin lobe blower
	Nos.	:	2
	Capacity	:	50 m3/hr
	Discharge pressure	:	0.54 kg/cm2
	MOC	:	Casing : CI
			Rotor : CI
	Make	:	USHA

	Accessories	:	Suitable common base frame for blower & motor, suitable pulleys, V belts, suction air filter, safety relief valve & suction silencer
	Drive motor	:	5.0 HP x 1450 RPM, Electric induction motor TEFC, Sq. Cage, IP-55, Class 'F' insulation 3 ph, 440V, 50 Hz Make: Compton
2.			Diffuser for SAFF reactor
	Nos	:	8
	Туре	:	Membrane type fine air diffuser
	MOC		EPDM
	Make		Grindwell
3.	Tag	:	Raw sewage Pump
	P-101-A/B		, , , , , , , , , , , , , , , , , , ,
	Nos	:	(1 working + 1 standby)
	Туре	:	Submersible
	Capacity	:	10 m3/hr
	Total discharge Head	:	10 M
	Drive	:	Motor driven
	Solid Handling Capacity	:	10 mmΦ
	MOC	:	Casing/Stuffing Box : CI . Impeller/Type : CI/ Semi Open . Shaft : CS
	Accessories	:	Suitable piping, Valves, Pressure Gauge at Delivery
	Make	:	Kirloskar
	Drive motor	:	1.0 HP/1440 RPM, IP 55 TEFC, B3, F, IP 55 squirrel cage, 415V, 50Hz with outdoor installation make : Grundlos
4.	Tag	:	Basket centrifuge
	Nos	:	One
	Туре	:	Basket type top discharge
	Capacity	:	25 kg/day
	MOC (basket)	:	SS 304
	Make	:	United
	Motor	:	TEFC type squirrel cage through multiple V belts, 1.0 HP/1450 RPM
	Make	:	Kirlosker

#### START UP OF THE PLANT

Al the units should be clean from debris, waste material, bolts, nuts, wires or any extraneous material otherwise they would spoil the pump.

#### 6.1 MECHANICAL & ELECTRICAL CHECKS

- a) The gear box should be filled with gear oil.
- b) The self priming pump should be filled with water to ensure self priming
- c) Measure the No load current of all the motors & check if it is within limits.
- d) All valve & lines should be checked and cleaned before start up.

#### 6.2 TRIAL WITH FRESH WATER

The fresh water is passed through the various units and all the tanks are filled up to the overflow levels. This also helps to check the leakages if any. All the valves, pumps and other mechanical items are checked. The overflow levels in the weirs is checked to see that they are uniform throughout

#### 6.3 START UP OF BIOLOGICAL SYSTEM (SAFE REACTOR):

While commissioning the plant it is important to use acclimatized micro organism for greater efficiency. The acclimatized microorganism are called as biological seed in the SAFF rector. In absence of better seed, naturally available bio-matter cow dung may be added into the SAFF rector, after removing the extraneous materials like straw, grass, etc. Continuously pass the air through air diffuser so that the mixture of biological seed and water is thoroughly mixed and oxygen from the air is provided continuously. Do not allow any extra water to flow inside the SAFF reactor.

The process of seeding will take about weeks time depending upon the temperature and humidity of the atmosphere.

#### 6.4 CHARGING OF UNITS & COMMISSIONING OF ETP.

- a. In order to start the plant it will be essential to see the incoming sewer line to the plant starting from screen chamber, which should be clear from debris. Similarly all the tanks should be cleaned and free from any waste material before sewage is taken into the plant.
- b. Before starting the pump it is necessary to ensure that there is sewage in the collection tank. The submersible pumps are with inbuilt level controller and it will operate depending water level in the tank

After the raw sewage pump is started, the sewage will start flowing into the SAFF reactor. The raw effluent pump should be started only after ensuring sufficient sewage in the tank. The flow rate of this pump should be adjusted be throttling the valve to the predetermined level of 4.25 m³/hr. flow can be monitored by measuring the pressure at the pressure gauge fitted on the pump. The overflow from the SAFF reactor will be passed to the Tube settler. The overflow from the Tube settler will be passed on the collection tank.

The excess sludge from the SAFF reactor and Tube settler will be dewatered in the basket centrifuge.

#### 6.5 DO's & DON'T'S FOR OPERATION

#### 6.5.1. Do's

- 1. Clean all the units for debris, waste material, nuts, wires or an extraneous material.
- 2. Average flow of 100m3/day should be maintained.
- 3. Standby pump should be operated alternatively on 12 hrs basis.
- 4. Standby Blower should be operated alternatively on 12 hrs basis.

#### 6.5.2. Don't's

- 1. Do not run standby pumps simultaneously.
- 2. Do not allow the pump to run dry.
- Do not run standby blowers simultaneously.
- 4. Do not allow the pH of the incoming sewage to go beyond the design parameters like COD,BOD,O&G.
- 5. Do not operate the pump if there is no incoming sewage in the sewage sump.
- 6. Do not allow SAFF system to become septic (always run blower).

#### LOG BOOK

Log sheets for data collection format to monitor the proper maintenance of the plant attached.

#### **OPERATION OF VALVES:**

Study the nomenclature of valves & the exact location of these valves in the plant as per drawing from as per P & I Diagram drawing.

# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT

# FORM OF BANK GUARANTEE FOR SECURITY DEPOSIT

havir betwo contr "the Guar	a consideration of the Board of Trustees (hereinafter called "The Board") ag offered to accept the terms and conditions of the proposed agreement een
accor	rdance with the terms and conditions in the said agreement.
1.	We(hereinafter referred to as
	the "Bank") hereby undertake to (indicate the name of the Bank)
	Pay to the Board an amount not exceeding
	Rs(Rupeesonly)
	on demand by the Board.
2.	Wedo hereby undertake to pay the
	amounts due and payable(indicate the name of the Bank)under this
	Guarantee without any demur, merely on a demand from the Board
	stating the amount claimed is required to meet the recoveries due or
	likely to be due from the said Contractor(s). Any such demand made on
	the Bank shall be conclusive as regards the amount due and payable by
	the Bank under this Guarantee. However, our liability under this
	Guarantee shall be restricted to an amount not exceeding
	Rs(Rupees(Rupees
	only).
	We, the said Bank, further undertake to pay to the Board any money so
	demanded not withstanding any dispute or disputes raised by the
	Contractor(s) in any suit or proceeding pending before any Court or
,	Tribunal relating thereto, our liability under this present being absolute
	and unequivocal. The payment so made by us under this bond shall be a
	valid discharge of our liability for payment there under, and the
	Contractor(s) shall have no claim against us for making such payment.
4.	We further agree that
	the Guarantee herein contained shall (indicate the name of the Bank)
	remain in full force and effect during the period that would be taken for
	the performance of the said agreement, and it shall continue to be
	enforceable till all the dues of the Board under or by virtue of the said
	agreement have been fully paid, and its claims satisfied or discharged, or
	as comone have been rang para, and no claims satisfied of discharged, of

5. till the Engineer-in-charge on behalf of the Board, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s), and accordingly discharges this guarantee. 6. We..... further agree with the Board that the Board (indicate the name of the Bank) shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers excisable by the Board against the said contractor(s), and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Board or any indulgence by the Board to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us. 7. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s). 8. We...... lastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of the Board in writing. 9. This Guarantee shall be valid up to ......unless extended on demand by the Board. Notwithstanding anything mentioned this Guarantee is restricted above, our liability against Rs.....(Rupees.....

.....), and unless a claim in writing is lodged with us within six months of the date of expiry or extended date of expiry of this Guarantee all our liabilities under this Guarantee shall stand

discharged.



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT FORM OF AGREEMENT

THIS AGREE	MENT is	s made or	n this	day of	t۱	wo thousand t	twelve F	BETWEEN	I the
Board of Trustees	for the	Port of M	1ormu	igao, a bodi	y corpo	rate under th	ne Majo	r Port Ti	rusts
Act. 1963 (herein a	fter ref	erred to a	s " th	e Board" wl	hich ex	pression shall	unless	repugnar	nt to
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at						hereinafter r			
contractor", which	express	sion shall u	unless	repugnant					
and include their h	=						_		
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WHEREAS	the	Board	is	desirous	of	executing	the	work	0
II .						J			
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dated						ntained in the			
attached to the abo									
AND WHER	EAS the	contracto	r by tl	heir above r	mentior	ned tender ha	s offere	d to exec	cute
complete and mai			•						
tender with corres	ponden	ice, specif	ficatio	ns, schedul	e, Ame	ndments and	accept	ance the	reo
will constitute abid	ing cont	tract betw	een tl	he Board an	d the c	ontractor.	-		
AND WHER	EAS the	contracto	r has	furnished to	the Bo	oard, a Bank G	iuarante	ee No.	
	date	ea	10	or a sum of	KS.				
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initial security for t	he due ¡	performar	nce an	d observan	ce by th	ne contractor	of the te	erms and	İ
conditions of this A	greeme	ent.							
CONDITIONS OF THIS A	greenie	:111.							

# NOW IT IS HEREBY WITNESSETH AND AGREED AS FOLLOWS:

1. In this agreement words and expressions shall have the same meaning as are respectively assigned to them in the conditions of contract herein after referred to .

- 2. The following documents shall be deemed to form and be read and construed as part of this agreement.
- a) Tender Notice.
- b) The Tender Form.
- c) Instructions to Tenderers.
- d) The General conditions Additional General Conditions and special conditions of contract.
- e) The General Instructions, if any.
- f) The Special instructions, if any.
- g) The Schedule of quantities and rates.
- h) Vol I
- i) The contract drawings.
- j) Copies of the correspondence between the Chief Engineer and the contractor.
- k) All additional drawing, specification and written instructions when issued by or approved in writing by the Chief Engineer as per clause No.9 of the General conditions.
- 3. The contractor hereby covenants with the Board to construct, complete and maintain the work in conformity in all respects with the provisions of the contract.
- 4. The Board hereby covenants to pay to the contractor the contract price in consideration of the completion and maintenance of the work "

  \_\_\_\_\_\_\_\_\_ " at the time and in the manner prescribed by the contract.
- 5. IN WITNESS WHEREOF THE PARTIES HERETO HAVE placed their hand and seals, on the day, month, year first above written.

THE COMMON SEAL OF THE TRUSTEES OF THE PORT OF MORMUGAO HAS HEREUNTO AFFIEXED AND THE CHAIRMAN THEREOF HAS HEREUNTO SET HIS HAND IN THE PRESENCE OF

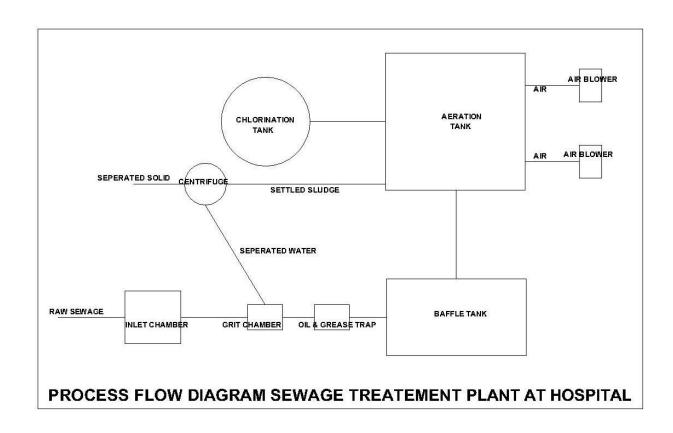
**CHIEF ENGINEER** 

1.

2

SIGNED AND SEALED BY THE CONTRACTOR IN THE PRESENCE OF

1.



#### MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT TENDER NO.CE/89 /2017

# NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

Directions to tenderers for filling the schedule of quantities & rates.

- 1. Tenderers are required to fill in their percentage rate at the end of the Schedule of Quantities & Rates, in the space provided for the purpose and unless this is done, their tender will not be considered. Only one percentage rate on all Rates of Schedule of Quantities & Rates shall be named.
- 2. The Percentage Rate inserted shall hold good for all works under this contract, without reference to quantity or location of the work or the variation in the estimated quantity.
- 3. Quantity of each item of work mentioned in the Schedule, should be noted and the item rate worked out carefully, having regard to the specifications before submitting the tender, as no variation in rates etc. will be allowed on any ground such as mistake or misunderstanding etc. after the tender has been submitted. The percentage rate, above or below the Schedule/Estimated rate, indicated at the end of the Schedule of Quantities & Rates, will apply to each item, of the tender and any excess in the item that may be directed to be executed by the Chief Engineer.
- 4. Tenderers are requested to note that though the contract is for item rate, they are required to add or deduct the amount due to this percentage, as the, case may be and work out the final figures (amount of their tenders), at the end of the Schedule of Quantities & Rates.
- 5. The percentage Rate should be legibly written in figures as well as in words, in the space provided for Erasures or corrections in figures or in words, without Tenderers initials, will render the tender liable for rejection.

#### 6, Rates and prices to be inclusive.

The rates entered in the Schedule of Quantities by the contractor shall include the provision of all supporting special equipment/safety equipments, labour of required skill, supervision, materials, erection, overheads and profits, watch and ward, insurance charges, during execution and every incidental and contingent costs and charges, whatsoever, including income tax, sales tax on works contracts, but excluding service tax if any etc. for compliance with conditions of contract and specification.

CHIEF ENGINEER



# MORMUGAO PORT TRUST ENGINEERING (CIVIL) DEPARTMENT TENDER NO.CE/89 /2017

# NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

# **SCHEDULE OF QUANTITIES AND RATES**

Operation of 100m<sup>3</sup> STP capacity

MPT Hospital site at Headland.

	<u>ivir i nospitai site at nea</u>			1	
Sr.	Description of work	Appro	Unit of	Rate in	Amount
No.		x Qty.	Qty. in	Fig/	Rs. Ps.
			words	words	
1.	2.	3.	4.	5. 6.	7.
1	Operation & maintenance of Sewage treatment plant (100 m3 capacity) situated near MPT				
	hospital site at Headland having various process equipments such as screen chamber, grit				
	chamber, raw sewage sump, O&G trap, SAFF				
	reactor, tube settler, treated sewage sump, various pumps, etc. and running the plant for				
	one shift of 8 hrs everyday including Sundays				
	and holidays as per the process manuals laid down or as directed by the Chief Engineer or his				
	representatives, regular cleaning of grit				
	chamber, removal of choke ups from the various piping outlet, stacking of waste material				
	in dust bin and keeping the area clean, cleaning				
	the raw/ treated sewage tanks quarterly and daily proper pumping of treated water to the				
	surrounding garden, periodic pumping of				
	sludge etc. operating and regulating various valves, etc. complete.	24	months	20643.00	495432.00

	through an established recognised acclaboratory such as Directorate of Services, Panaji or any other agency in drawing the sample, transporting it to within required time period, collecting results and submitting same to the depain triplicate including paying necessary of sample test as applicable etc All lab materials etc. complete.	Health ncluding the lab the test artment charges				
			24	months	1705.00	40920.00
				٦	Fotal Rs. 5,3	86,352.00
	Total Amount of Quotation excluding GSTD% (In figures)	Γ = "A" R	s. 5,36,3	352.00		
In wo	rds Over the above amount at "A"	i.e <b>Rs. 5</b> ,	36,352.	. <b>00=</b> Rs:		
OR						
2. DEI	DUCT % (IN FIGURES)					
	rds From the above amountat "A"i.e	Rs. 5.36	5.352.00	)= Rs:		
	tal Quoted Tender Amount exclusive of G	-	,	_		
	gure – =		Dc.			
INVV	ords Rupees					
				Onl	у.	
NOTE	<u>S:</u>					
2.Ten 3.The	derers should score either "ADD "or "DED derers are advised in their own interest to quantities given above in the schedule of hed for the guidance of the tenderers.  ess's Bidder's	inspect i Quantiti	the site	before te	_	e and are
Signat	ture: Signatu	re:				
Name						
Addre	ess: Address	s:				
Tel No	 D:					
	leNo: Mobile N	o:				

Carrying out testing monthly and submitting the water sample results of treated sewage water of

# MORMUGAO PORT TRUST ENGG (CIVIL) DEPT

### **Format for Daily Progress Report**

NAME OF WORK: OPERATION AND MAINTENANCE OF 100M<sup>3</sup> CAPACITY STP AT MPT HOSPITAL AT HEADLAND FOR A PERIOD OF TWO YEARS.(2018 AND 2019)

**CONTRACTORS NAME:** 

DATE OF COMMENCEMENT:

DATE OF COMPLETION:

DAILY JOB CARD OF PERIODIC OPERATION AND CIVIL MAINTENANCE WORKS

DATE:

Sr No.	Description of Item	PERIODICITY	General Shift	Remarks ( Penalty to be imposed as per contract conditions if not attended )
1	Regular cleaning of grit chamber (Fore noon & After noon)	Daily	Attended	
2	Daily proper pumping of treated water to the surrounding garden, periodic pumping of sludge etc -Per day	Daily	TIMMING	ELECTRIC METER READING:
3	Stacking of waste material in dust bin and keeping the area clean,	Daily	Attended	
4	Keeping various valves, sluice valves etc on operational condition for smooth operation - per day	Daily	Attended	
5	Maintaining the desired parameters of the treated water within the permissible limits (Breakdown period not included)	As and when required	Attended	TREATED WATER (DISCHARGE) METER READING:
6	Cleaning the raw/ treated sewage tanks – Every quarterly	Every quarterly ( Tuesday)	Attended	
7	Removal of choke ups from the various piping outlet	As and when required	Attended	
8	Regular maintenance/servicing of plant, equipments such as oiling, greasing of various valves pipelines, maintenance	As and when required	Attended	
9	Repairs/replacement of all , foot valves installed of various sizes as & when required including removing and refitting, maintenance of various interconnecting pipelines	As and when required	Attended	
10	Asst. Operator- 1 no/shift	Daily	available (NAME)	

CONTRACTOR (NAME & DESIGNATION)) EA/JE AEN/AXEN

#### PROFORMA FOR GST DETAILS

Sr No	Particular	Mormugao Port Trust	Data Required
1	Customer Name as per GST Registration Certificate	Mormugao Port Trust	
2	Full Postal Address	Administrative Building, Headland Sada.	
3	City	Goa	
4	Pin code	403 804	
5	PAN	AAALM0293P	
6	Type of Person	Local Authority	Company/Firm/Indivi dual/Trust/LLP/AOP
7	Resident/Non Resident as per Income Tax Act	Resident	
8	ARN No.	AA30617001663N	
9	Provisional ID	30AAALM0293P1ZY	
10	GST No.	30AAALM0293P1ZY	
11	PPOB (Principal Place of Business) or APOB (Additional Place of Business)	PPOB	
12	Reason for Non Registration (Turnover Limit / Non Taxable Supply / Other Reason)	NA (Registered Under GST)	
13	Type of Customer (Manufacturer/Trader/Importer/Dep ot/Service Provider/Works Contractor/Principal/Consumer	Service Provider	
14	Whether Falling under SEZ unit or Developer? (Yes or No)	No.	
15	Whether B2B or B2c (B= Business & C= Customer)	B2B	
16	Whether Opted for Composition Levy Scheme? (Yes or No)	No.	
17	Whether falling under casual taxable person as per Section 2(20)	No.	

	of CGST Act,2017 (yes or No)		
18	Whether falling under Non Resident taxable person as per section 2(77) of CGST Act,2017 ? (Yes or No)	No.	
19	Central Excise Registration No.		
20	Service Tax Registration No.	AAALM0293PST001	
21	VAT – TIN	30181201096	
22	CST – TIN	V/CST/1683	
23	IEC	1706000073	
24	Contact Details:		
	Name	Shri.Anant Chodnekar	
	Designation	Sr. Dy.CAO	
	Phone No.	0832-2521132	
	E-mail	facao@mptgoa.com anant.chodnekar@mptgoa.co m	
I, Mr./Mrsdo and correct.			rtner/Director) of M/s given above is complete
Place Date		Signatu (Name:	ıre )

### **VENDOR REGISTRATION FORM**

1.	Name of the Organization	:
2.	Address (In Detail)	:
3.	Telephone Number	:
4.	E-Mail Id	:
5.	Permanent Account Number (PAN)	:
6.	Bank Name	:
7.	Bank Branch Address (In Detail)	:
8.	Bank Branch Code	:
9.	Bank Account Number	:
10.	Bank Account Type	:
11.	Magnetic Ink Character Recognizer (MICR)	:
12.	GST Registration Number	:
13.	GST Tax Registration Code	:
14.	Employee Provident Fund (EPF) Registration Number	:
15.	Employee State Insurance Scheme (ESIS) Registration Number	:
16.	IFSC Code	: