

INVITATION FOR BIDS

1. Mangalore SEZ Limited (MSEZL) is jointly promoted by Oil & Natural Gas Corporation Ltd. (ONGC), Infrastructure Leasing & Financial Services Ltd., Karnataka Industrial Areas Development Board (KIADB) and Kanara Chambers of Commerce and Industries (KCCI). MSEZL has taken up a project to set up a Sector Specific SEZ initially and is upgraded to Multi product SEZ catering mainly to the petrochemical Industry and other sectors such as manufacturing, services, trading and warehousing (hereinafter referred to as "the Project").
2. MSEZL is issuing this Bid document inviting proposals for "**Operation & Maintenance of Common Effluent Treatment Plant & Marine Outfall System of MSEZ**" **Contract Package No: MSEZL/CETP & MO/O&M/18-19**. Bidding is open to all Contractors / Firms based in India, who are eligible as per technical requirements. **Joint Venture is not allowed.**
3. The intending bidders are required to make a onetime registration with M/s Karnataka State Electronics Development Corporation Limited (KSEDCL/KEONICS), the service providers for the e-tender by following the registration process on www.tenderwizard.com/MSEZ.
4. The blank E-tender document can be procured between **26/04/2018 to 23/05/2018** by Online Payment of Rs. 11,200/- (Rupees Eleven Thousand Two Hundred Only) including GST by RTGS, NEFT remitted to Mangalore SEZ Limited Account No: 36335706882 of State Bank Of India, Corporate Accounts Group-II, New Delhi, IFSC Code: SBIN0017313
5. The Bid document comprises:
 - i) Invitation for Bids
 - ii) Bidding data
 - iii) Instructions to Bidders
 - iv) General Conditions of Contract
 - v) Special Conditions of Contract
 - vi) Taxes & Duties
 - vii) Special Specifications
 - viii) Price Bid
 - ix) Annexures / Drawings
6. **Scope of work will be but not limited to the following:**

MSEZL has constructed a Common Effluent Treatment Plant (CETP) to treat the effluent coming from the industrial units in MSEZ and Marine outfall system to pump the treated effluent from MSEZ units and MRPL Phase-3 into the sea. The CETP units are constructed for 3.5 MLD capacity for treating 5 different streams of inflow viz., 1) Contaminated storm water (1.5MLD), 2) Process waste water (1.5MLD), 3) Acidic stream (0.125MLD), 4) Alkaline stream (0.125MLD) and 5) High COD stream (0.250MLD). Scope of work involves operation & maintenance of infrastructure as mentioned below:

a) Common Effluent Treatment Plant (CETP) to treat the effluent coming from fish processing units inside MSEZ. The affiliated chemical house, storage tank, pumping machineries, electrical substation etc., are set up in the CETP campus including all common components such as channels, piping and chambers. The maximum quantity effluent to be treated during the O & M period will be 1.5 MLD (only process waste water) in three shifts including all allied electro-mechanical works coming under CETP. The process waste water treatment involves the following treatment units:

1. Equalization tank (the raw effluent from industries directly pumped to CETP).
2. Flash Mixer, Flocculation tank and Primary Clarifier.
3. MBBR, Secondary Clarifier 1st stage, Aeration tank, Secondary Clarifier 2nd Stage.
4. Marine outfall sump (treated water pumped to Marine outfall system)
5. Sludge handling system (sludge recirculation, sludge thickener, Centrifuge)

b) Marine Outfall system including common outlet chamber, sump, pump house, 1000 mm dia DI pipe from Marine Outfall Pump House to BPT for a length of 1600 m, 800 mm dia DI K-7 pipe from BPT to landfall point for a length of 9500m, SCADA system along with all connected pipeline transmission mains, valves, sluice gates, online analyzers and all electromechanical installations and panels on 24x7 basis. Among the pipeline and structures mentioned above, approximately 1000 mm dia DI pipe from Marine Outfall Pump House to BPT for a length of 1000m, 800 mm dia DI K-7 pipe from BPT to landfall point for a length of 9500m and associated structures are located outside MSEZ notified area.

The scope of work includes maintenance of all electro-mechanical, instrumentation, civil works, piping and valves for the smooth and reliable operation of the system for 1 year, including but not limited to the following:

- Ensuring treated effluent conform to the prescribed discharge standards from CETP;
- Raw effluent to be directly taken into biological treatment (MBBR) and required culture to be developed during the first six months. There will be no chemical requirement for coagulation system (Alum, Poly and Lime) during first six months of O&M and the nutrients required for Biological treatment will be considered (DAP);
- Uninterrupted 24x7 pumping of treated effluent from CETP to marine outfall system after meeting the discharge standards prescribed by KSPCB/MoEF;
- Uninterrupted 24x7 pumping of treated effluent from units through BPT to marine outfall system after meeting the discharge standards prescribed by KSPCB/MoEF and third party lab analysis of sample of treated effluent from each unit twice in a month;
- Ensure the functioning of Marine outfall pipeline system;
- Providing all necessary skilled & semiskilled manpower of appropriate skills and unskilled manpower required for 24x7 operation of the complete system;
- Providing all necessary supervisory staff;
- Providing third party lab report monthly once for both inlet and outlet of CETP.
- Analysis of all necessary parameters on a daily basis in the existing lab, maintaining the records and providing required lab chemicals for the analysis.

- Maintaining log sheets at regular time intervals, necessary MIS for optimal performance during operation and as determined by Engineer-in-Charge;
- Ensuring adequate inventory as well as timely availability of required spares including supply of spares;
- Supply of minor spares and conducting all repairs (minor & major). Only major spares as listed out will be supplied/reimbursed by MSEZL;
- Supply of oil, lubricants and other consumables for operation and maintenance;
- Carrying out operation and maintenance (including lubrication, preventive maintenance, break down maintenance);
- Repair & maintenance of pumps, motors, pipelines, electrical, control panels, valves, actuators, etc., complete for smooth functioning of the system;
- Maintenance of substations and cable networks;
- Maintaining SCADA system and all instrumentation equipment;
- Maintenance of gardens and street lights;
- Ensuring compliance to all environmental, safety, health and statutory norms at all times;
- Maintenance of office Buildings, control rooms etc;
- Maintaining good housekeeping and hygiene conditions;
- Provision of security personnel to ensure security of all the components;
- Provision of all necessary log sheets, MIS, records as determined by Engineer-in-Charge;
- Compliance of all statutory requirements including PF, ESI, minimum wages, labour laws etc;
- Ensure running of DG including all consumables in case of power failure. Diesel cost at the rate published by IOCL will be reimbursed on production of proper certified log of shutting of power and running of DG by MSEZL. The payment will be made on a monthly basis. However all other consumables including maintenance of DG will be in the scope of contractor;
- Maintaining the stores including insurance;
- All incidental items of work, except power charges; and
- Periodic cleaning of valve chamber of marine outfall pumping line and arranging of gully sucker, water tanker and hydra for the same as and when required

All the above works would be carried out under the overall direction of the Engineer-in-Charge whose decision would be final and binding in all matters.

7. The filled-in E-tender **documents** shall be uploaded before **15:00** hours on **24/05/2018**.
8. In case bidders need any further information about the Project or for inspection of any other document related to the Project available with MSEZL they are requested to contact the MSEZL Office at the address given below:
Mangalore SEZ Limited
Third Floor, MUDA Building
Ashok Nagar, Urva store, Mangalore-575006
Karnataka State
Ph. No: 0824-2452750
Email: velnati.surya@gmail.com; ashwini.sez@gmail.com

9. The technical proposals uploaded by the tenderers will be opened at **16:00 hours** on **24/05/2018**.
10. Price bids will be opened on completion of evaluation of technical proposals. Opening of price bids will be followed by e-reverse auction. Base price for e-reverse auction will be the lowest price evolved from price bid opening. The detailed procedure for e-reverse auction will be intimated to the bidders in advance. However, MSEZL reserves the right not to conduct e-reverse auction and can select the lowest bidder based on the price bids received.
11. If no qualified bidder participates in the e-reverse auction within the specified time or if the lowest bid received at the end of the e-reverse auction is high and not acceptable to MSEZL, then MSEZL at its sole discretion may decide to negotiate with lowest bidder for obtaining an acceptable offer.
12. MSEZL shall not be responsible for any costs or expenses incurred by the Bidder in connection with the preparation and delivery of Proposals, including costs and expenses related to visits to the sites. MSEZL reserves all the rights to cancel, terminate, change or modify this procurement process and/or requirements of Bidding stated in the TENDER PROPOSAL, at any time without assigning any reason or providing any notice and without accepting any liability for the same.

Date: 25/04/2018

**Chief Operating Officer
MSEZL, Mangalore**

2. BIDDING DATA

S. N.	Key Information	Details
1.	Project Title	Operation & Maintenance of Common Effluent Treatment Plant & Marine Outfall System of MSEZ
2.	Owner	Mangalore SEZ Limited (MSEZL)
a)	Brief Scope of Works	As described in Clause 6 of Invitation for Bids
3.	Time Period	Time frame will be Twelve Months from the date of issue of LOI or any date mentioned in the LOI.
4.	Financial Turn Over in any one of the last five financial years ending with 2016-17	Turn over should be min of Rs 0.75 Crores (The bid must be accompanied by the Annual Reports of the of the bidder for the preceding five years to fulfil the above financial criteria and separate certificate issued by the Chartered Accountant showing the Annual Turnovers for the last five financial years). Note: The Chartered Accountant's signature should bear his Membership Number also. All copies of certificates should be notarised.
a)	Net Worth	Should be positive as per the Annual Report for the latest financial year. The specific certificate to this effect should be obtained and produced from the qualified Chartered Accountant. Note: The chartered Accountant signature should bear his Membership Number also. All copies of certificates should be notarised.
5.	Technical Requirements Qualification	<ul style="list-style-type: none"> • The firm shall be specialized in O&M of Industrial CETP / Industrial ETP & satisfactorily producing minimum 1.0 MLD of treated effluent from a single plant to prescribed standards for a period not less than one year in the last five years reckoned up to the last date of submission of tenders. • Bidders need to submit the corresponding Work Order copies & Experience Certificates issued by the respective clients duly notarized. MSEZL may call for original certificates for verification during the technical evaluation and the Bidders need to provide the same. (Note: 1. Experience Certificates shall include actual cost of work completed with date of completion of operation & maintenance of Industrial CETP / Industrial ETP for not less than one year during the last five year period reckoned from the Proposal Due Date • The Bidders need to furnish complete information in the forms provided in Annexure-III of the Bid. • Bids of those bidders who themselves do not meet the experience and financial capability criteria as stipulated above can also be considered provided bidder is a 100% subsidiary company of the parent company which itself meets the experience and financial capability criteria as stipulated above. In that case as the subsidiary company is dependent upon the experience and financial

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		capability of the parent company, with a view to ensure commitment and involvement of the parent company for successful execution of the contract, the participating bidder should enclose an agreement between the parent and the subsidiary company and corporate Guarantee from the parent company to MSEZL for fulfilling the obligation under the agreement.
6.	Proposal Validity	90 days from the last date of submission of the proposal.
7.	Amount of Bid Security	Rs. 2,40,000 (Indian Rupees Two Lakh Forty Thousand Only) in the form of a Bank Draft drawn in favour of Mangalore SEZ Limited payable at Mangalore, or an Unconditional Bank Guarantee issued on behalf of the Bidder by a Nationalised/Scheduled Bank (other than Co-operative Bank) in favour of MSEZL valid for a period up to 60 days beyond the validity of the proposal (i.e., 150 days from the proposal due date)
8.	Performance Security	Total 10% of the Contract Price in the form of an Unconditional Bank Guarantee issued on behalf of Bidder by a Nationalised/Scheduled Bank (other than Co-operative Banks) in favour of Mangalore SEZ Limited to be provided within 10 days of receipt of the Letter of Intent & to be valid until contract completion and handing over all the assets in proper condition to MSEZL (Till obtaining NOC from MSEZL).
9.	Price Reduction Schedule	<p>1. CETP</p> <p>The Contractor is expected to treat the quantity indicated by Engineer-in-Charge on day to day basis up to maximum of 1.5 MLD of water in every 24 hours cycle.</p> <p>“Disruption”* is defined as either of the following conditions:</p> <ol style="list-style-type: none"> Failure to treat the quantity of effluent as specified above. Failure to treat the effluent as per designed outlet parameter. Not attending to any major breakdowns and failing to restore effluent treatment within prescribed time as determined in consultation with MSEZL. Absence of manpower during operation leading to possible failure and safety issues arising out of this. <p>In the event of any “Disruption” the Contractor will render himself liable for price reduction as follows:</p> <ol style="list-style-type: none"> One “Disruption” in a calendar month will attract a reduction of 3% of bill amount for the calendar month. Two “Disruptions” in a calendar month will attract a reduction of 7% of bill amount for the calendar month. Three “Disruptions” in a calendar month will attract a reduction of 10% of bill amount for the calendar month.

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		<p>d) More than three "Disruptions" in a calendar month will qualify as an event of default in addition to a price reduction of 15% of bill amount for the calendar Month.</p> <p>*Note:</p> <p>1) Prolonged power supply interruptions are exempted. 2) The occurrence of force majeure events is exempted.</p> <p>2. Marine Outfall Pump House and Pipeline System</p> <p>"Disruption"* is defined as either of the following conditions:</p> <p>a) Failure to pump the quantity of water received from the units. b) Receiving & pumping of treated effluent without ensuring the quality of treated effluent as per prescribed discharge standards. c) Not attending to any major breakdowns and failing to restore pumping of water within prescribed time as determined in consultation with MSEZL. d) Absence of manpower during operation leading to possible failure and safety issues arising out of this.</p>
10.	Mobilisation advance	5% of the value as interest-free mobilization advance will be paid to the Contractor against production of unconditional bank guarantee issued on behalf of Bidder by a Nationalised/Scheduled Bank (other than Co-operative Banks) to MSEZL in amount equal to the advance payment.
11.	Taxes and Cesses	Rates to be quoted shall be exclusive of all applicable taxes and cess for works under Schedule A, B C & D of BOQ. Rates to be quoted shall be inclusive of all applicable taxes and cesses for works under Schedule E of BOQ.
12.	Recovery of Mobilisation Advance	Recovery of Mobilization advance will be made in twelve equal monthly instalments.
13.	Payment Terms	Contractor shall submit bills only once at the end of every calendar month by the 7 th of the following month. Payment will be made to the Contractor after certification of all undisputed items within 7 days of certification. The bill will be certified for payment within 14 days after its submission in full along with all relevant documents & Certificates.
14.	Deduction of Advance Income Tax and Advance Works Contract Tax	As per the prevailing Tax Rules of the Government of India and the Government of the State of Karnataka
15.	Signing of Agreement	Within 10 Days from the date of issue of Lol.
16.	Important Dates	
(a)	Issue of Blank E-Tender Document	26/04/2018 to 23/05/2018 by Online Payment of Rs 11,200/- (Rupees Eleven Thousand Two Hundred

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		Only) INR including GST @ 12% by RTGS, NEFT remitted to Mangalore SEZ Limited Account No: 36335706882 of State Bank Of India, Corporate Accounts Group-II, New Delhi, IFSC Code: SBIN0017313
(b)	Due Date for UpLoading the filled E-Tender Documents	Before 15.00 hrs on 24/05/2018
(c)	Opening of Technical Proposals	24/05/2018 at 16.00 hrs.
(d)	Opening of Financial Proposals	<p>Price bids of technically qualified bidders will be opened on completion of evaluation of technical proposals. Opening of price bids will be followed by e-reverse auction. Base price for e-reverse auction will be the lowest price evolved from quoted cost from price bid opening. The detailed procedure for e-reverse auction will be intimated to the bidders in advance. However, MSEZL reserves the right not to conduct e-reverse auction and can select the lowest bidder based on the price bids received.</p> <p>If no qualified bidder participates in the e-reverse auction within the specified time or if the lowest bid received at the end of the e-reverse auction is high and not acceptable to MSEZL, then MSEZL at its sole discretion may decide to negotiate with lowest bidder for obtaining an acceptable offer.</p>
17.	Termination:	MSEZL may terminate the Contract in the event of default by the Contractor as per the clause No 41 of General Conditions of Contract.