



வ.உ.சிதம்பரனார் துறைமுக ஆணையர்
वी.ओ. चिदम्बरनार पत्तन प्राधिकरण
V.O.Chidambaranar Port Authority
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Administrative Office, Harbour Estate, Tuticorin - 628 004
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No.CIV-OFCEV-PLC-ESTAB-V1-23/D. 614

Date: 03.03.2025

CORRIGENDUM-IV

Name of work: "Establishment of 3 MLD Desalination Plant based on sea water reverse osmosis at V.O.Chidambaranar Port and Operation and Maintenance for 5 Years on DBO Mode"


Ref: NIT No.45/RCM&BMR/2024-25/D.3531 Dated:16.12.2024

Sir,

With reference to the clarification sought by the Tenderers through E-mail and discussion during Pre-bid meeting for the subject work held on 20.02.2025, the reply to the queries/amendment to the Tender document is attached herewith.

The amendment and clarification along with enclosures will form part of the Tender document..

Encl:As above

Yours Faithfully,

CHIEFENGINEER

PRE-BID QUERIES REPLY

Tender Ref No: NIT No.45/RCM&BMR/2024-25/D.3531 Dated:16.12.2024

Name of Work: Establishment of 3 MLD Desalination Plant based on sea water reverse osmosis at V.O.Chidambaranar Port and Operation and Maintenance for 5 Years on DBO Mode

Sr. No.	Clause No.	Clause	Query	Reply
1.	NA	NA	We understand foreign companies are eligible to participate in this tender. Kindly confirm	However, the Lead Member should be a Registered company in India and should comply with the Companies Act 1956/2013 as amended/modified/ replaced time to time. Refer Corrigendum VI.
2.	NA	NA	We understand parent companies technical qualification can be considered by the subsidiary company in India. Kindly confirm	Refer Corrigendum VI.
3.	NA	NA	Is there any Consultant involved in the project if so, kindly specify the name of the consultant.	VOC Port will engage consultant for PMC.
4.	Part F - 17	The contractor shall borne the cost of materials and other charges required for availing permanent power supply and shall submit the requirement of power and level of voltage along with tender. The tenderer shall avail the power supply from the nearest port power	Please specify terminal point of construction power	The nearest Port power supply point is 22 KVA Sub Station by supply. The permanent power supply and construction power supply shall be availed from the above supply point

		supply point by supply & installation of necessary equipments, cables, switches, etc as directed by engineer – In charge.		in the port. Installation of necessary equipment, cables, switches are all under bidder scope etc & as directed by engineer. Necessary power cost shall be borne by the contractor as per the bid condition.
5.	Tabel : 6.0	SWRO Trains (To produce 5mld product water) BWRO Trains (To produce 5mld product water) Primary Flows – (To produce 5mld product water)	From the document we found that 5 MLD capacity is specified in some places, whereas tender calls for 3 MLD. Kindly clarify the capacity of the plant.	As per the revised tender document published vide Corrigendum – III dated 11.02.2025, the tender has to design, build and operate for 3 MLD desalination plant.
6.	NA	NA	Whether MOEF and CRZ is obtained for project?	Yes, Port obtained CRZ clearance from MoEF & CC. The tenderer strictly follows the Intake and Outfall design and consideration as per the CRZ clearance. (Copy of CRZ clearance enclosed)
7.	Tabel - S.no :2	Estimate Amount Rs.89.00 Cr (Rupees Eighty Nine Crore Only)	Is estimated value of Rs.67.44 Cr is including or excluding GST	The estimate value is excluding of GST.
8.	Tabel - S.no :8	12 months construction period	Considering the sea coast & sea conditions, construction of intake/outfall system will take	Tender condition prevails.

			minimum 2 seasons. This means, for completing the intake & outfall system, it will require minimum 24 months to 36 months from award of contract. Hence we request you to change the construction period from 12 months to 30 months	
9.		NIT	Kindly confirm whether the tender comes under National Competitive Bidding (NCB) or International Competitive Bidding (ICB)?	The tender comes under National Competitive Bidding (NCB).
10.		VOLUME II – TECHNICAL SPECIFICATIONS	Since there is no revised technical specifications provided by Client, we understand that there are no change in the scope of work or the Technical Specification document. It remains unaltered. Kindly confirm.	There are no change in the scope of work as per the tender document. Further, as per the tender document the bidder has to Design, Build and Operate the 3 MLD desalination plant.
11.	2	Estimate Amount	We would like to understand the reason for the reduction in the contract value, as the scope of works remains the same. Also, kindly confirm whether the contract value is for CAPEX alone. OPEX shall be reimbursable. Kiny confirm	As per the revised tender document published vide Corrigendum – III dated 11.02.2025, the estimate amount is for CAPEX alone. OPEX will be reimbursed as per the rate quoted by the bidder and accepted by the Port.

12.	<p>BID-I TENDER – TECHNICAL BID , 3. MINIMUM QUALIFYING CRITERIA</p> <p>a) Work Experience</p> <p>Page 12</p>	<p>The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending up to 31.01.2025, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 2.4 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.</p> <p>and</p> <p>The bidder or any one member of the Joint Venture/Consortium or subcontractors should have the experience of Operation & Maintenance of at least one number of Sea Water Desalination Plant, based on Reverse Osmosis process with a plant production capacity of minimum 2.4 MLD for a minimum period of two years during 7 years ending upto 31.01.2025.</p> <p>and</p> <p>The bidder who qualifies for above criteria (1) and (2) but not</p>	<p>We request your good office to consider the qualifying criteria as mentioned below in line with the "RFQ For Establishment of 5 MLD Desalination Plant based on Sea Water Reverse Osmosis at V.O.C Port Authority, Tuticorin on Design, Build, Finance, Operate, and Transfer (DBFOT) Basis" published in January 2024. This allows for more participation leading to more competitive bidding.</p> <p>The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending upto 30.11.2024, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process/ Tertiary Treatment Plant based on Fibre Disc Filtration technology with a production capacity of minimum 3 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant</p>	Refer Corrigendum VI.
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		<p>having specific experience in Intake and out fall can subcontract the same and submit their sub-contractor Experience, Capability and MOM along with Bid.</p>	<p>should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.</p> <p>and</p> <p>The bidder or any one member of the Joint Venture/Consortium should have the experience of Operation & Maintenance of at least one number of Sea Water Desalination Plant, based on Reverse Osmosis process/ Tertiary Treatment Plant based on Fibre Disc Filtration technology with a plant production capacity of minimum 3 MLD for a minimum period of two years during 7years ending upto 30.11.2024.</p> <p>and</p> <p>The bidder or any one member of the Joint Venture/Consortium should have constructed at least one Sea Water Intake and Outfall System for a</p>	
13.	BID-I TENDER – TECHNICAL	The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending	We understand that any one partner of the consortium should have the work experience	Refer Corrigendum VI.

	<p>BID, 3. MINIMUM QUALIFYING CRITERIA</p> <p>a) Work Experience</p> <p>Page 12</p>	<p>upto30.11.2024, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 3 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.</p> <p>and</p> <p>The bidder or any one member of the Joint Venture/Consortium should have the experience of Operation & Maintenance of at least one number of Sea Water Desalination Plant, based on Reverse Osmosis process with a plant production capacity of minimum 3 MLD for a minimum period of two years during 7years endingupto30.11.2024.</p> <p>and</p> <p>The bidder or any one member of the Joint Venture/Consortium should have constructed at least one Sea Water Intake and Outfall System for a minimum of 3 MLD SWRO including Marine structure</p>	<p>and the rest of the partners have to meet their respective financial eligibility conditions and any partner can be the lead bidder irrespective of technical qualification. Please Confirm.</p>	
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		(Intake pipe works and Outfall pipe works on Design & Build basis)ending upto 30.11.2024.		
14.	BID-I TENDER – TECHNICAL BID, 3. MINIMUM QUALIFYING CRITERIA a) Work Experience Page 12	The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending upto30.11.2024, should have Designed, Constructed, Erected, ested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 3 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months. and The bidder or any one member of the Joint Venture/Consortium should have the experience of Operation & Maintenance of at least one number of Sea Water Desalination Plant, based on Reverse Osmosis process with a plant production capacity of minimum 3 MLD for a minimum period of two years during 7years endingupto30.11.2024.	We understand that in case any one partner of the consortium doesn't have complete work experience (i.e. Desal, Intake & Outfall and O&M experience) then the JV partners can combinely meet the complete work experience eligibility and any partner can be the lead bidder irrespective of technical qualification. Please Confirm.	Refer Corrigendum VI.

		And The bidder or any one member of the Joint Venture/Consortium should have constructed at least one Sea Water Intake and Outfall System for a minimum of 3 MLD SWRO including Marine structure (Intake pipe works and Outfall pipe works on Design & Build basis)ending up to 30.11.2024		
15.	BID-I TENDER – TECHNICAL BID, APPENDIX TO TENDER - IMPORTANT CLAUSES, Clause - 6.2.2 Page 31 of 221	Security Deposit - 10% deducted in each running bill after adjusting the EMD subject to maximum of 5% of contract price.	As the successful bidder will be already submitting the performance security during the construction phase and O&M phase respectively, We kindly request the authority to remove this clause allowing better cash flows of the bidder and improving the competitiveness of the bid	Tender Condition prevails.
16.	BID-I TENDER – TECHNICAL BID, Clause 8.1, Sub clause G, Contractor Payment during Construction and Trial Commissioning period- Page	8.0 Contractor Payment during Construction and Trial Commissioning period g) 6 months Trial Run - 5%	As the trial run period is for 6 long months, retaining payment for 6 months will have a big impact on the cashflows of the successful bidder. Also, the performance security of the bidder for the construction contract is released only after the trial run during the O&M phase, hence We kindly request the authority to remove this	Tender Condition prevails.

	103 of 221		clause and release the 5% payment during the construction phase allowing better cash flows of the bidder and improving the competitiveness of the bid	
17.	BID-I TENDER – TECHNICAL BID TENDER NOTICE Page 11 of 221	Time of completion: 12 months (for Construction) + (6 Months for Trail Commissioning	12 months construction is an ambitious target for completion of Work. The Work comprises of Intake+Outfall along with Desalination Plant+Product water pumping main. These components along with lead times for supply items after design approval will be very difficult to accommodate within 12 months. Thus we request your good office to kindly make the construction period as 18 months. Kindly confirm.	Tender Condition prevails.
18.	Pg.30 - 2.6	Scope of Work	We understand that the list of items is tentative and not binding on the bidder. Please clarify.	Refer Sl.No.10
19.	Pg.30	The Technical Bids of the Tenderers will be evaluated based on the whole work stipulated in Volume-II.	Kindly provide the Volume-II for Design Build Portion. Only Volume -II for O&M is prevailing.	The bidder has to Design the 3 MLD desalination plant inline with the Scope of work as mentioned in the revised tender document. Also since it is DBO model so bidders to follow good engineering practice as per

				Indian and or International standards.
20.	Pg. 88 - 2.1.2	All the units of the Desalination Plant shall be designed and constructed for their respective flows/ capacities mentioned in the Employer's Requirements and shall be constructed in suitable modular or treatment train capacities. The minimum number of modules or treatment trains and the minimum number of each unit process component required shall be provided to facilitate O&M.	We understand that the capacities of respective components in the system shall be designed with the necessary redundancies to facilitate O&M and to meet the product water quantity of 3 MLD. The tenderer is at his liberty to design for the above requirements. Please Clarify.	Refer SI.No.19
21.	Pg. 92 - 2.3.c	The Desalination Plant shall comprise treatment process, as may be techno economically feasible and cost effective, leading to stringent of the product water quality as per the Employer's Requirements.	We understand that the tenderer has the liberty to deviate from the process flow diagram (Volume III, page 221) and design treatment process that is techno-commercially feasible and cost effective to meet the product water quality. Please Confirm	The tenderer strictly follows the Scope of Work a mentioned in the tender document and the tenderer has to design, Build and Operate 3 MLD desalination plant.
22.	Pg. 113 - 5.2.1.1	In the event the sea water quality deteriorates beyond the specifications in Volume II Part A, the following provisions will be applicable	The mentioned sea water quality is missing in Volume II. Kindly provide the same.	During the Bid Stage, Bidders are invited to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective Bid. Also since it is DBO

				model so bidders follow good engineering practice as per Indian and or International standards.
23.	Pg. 132 - 18.1.2	the Contractor shall design the sea water desalination plant so as to achieve final treated water having total dissolved solids (TDS) of 225 mg/l consistently	We understand that the TDS in the product water shall be ≤ 225 mg/l as per IS 10500:2012	The tenderer should follow Tender Clause 18. KEY PERFORMANCE INDICATORS.
24.	Pg. 199 - 1.1	The O&M will also cover the product water pipeline from the desalination plant up to the Employer's sump.	Kindly provide the approx. pipe length and pumping required for the same	During the Bid Stage, Bidders are invited to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective Bids
25.	Pg. 215 2.4	The Contractor shall rehabilitate any asset that has reached the end of its design life, cannot be maintained to perform within the specified performance requirements, exhibits a measurably higher failure rate, or ceases to be economical to maintain due to excessive deterioration or obsolescence.	The design life of Electro-Mechanical Items are 15 years. Kindly specify the performance requirements below which the asset should be rehabilitated before hand-over.	All Project Assets shall be handed over in a safe condition as Instructed by the VOC port
26.	FORM – IX, Page 175	Establishment of 5 MLD Desalination Plant based on Sea Water Reverse Osmosis at V.O.C Port Authority,	The mentioned capacity should be 3 MLD Desalination Plant. Kindly confirm and provide the revised INTEGRITY PACT	Integrity Pact, Annexure D, Form III and Form VIII in Tender

		Tuticorin on Design, Build, Finance, Operate and Transfer (DBFOT) Basis”		Document is amended and Enclosed As annexure.
27.	Page 61, 7.3.	Housing for Labour For housing the Contractor's labours temporarily during construction period, plots can be allotted in the Port's area / quarters based on the specific application from the Contractor for erecting temporary huts / quarters based on the availability with the approval of Chief Engineer. Nominal ground rent / quarters rent will be charged as per rules at the rate fixed by the Port from time to time. The	We believe land for Labour Housing will be provided free of charge to the successful Bidder. Kindly confirm.	As per tender clause 7.3 Housing of Labour - Nominal ground rent / quarters rent will be charged as per rules at the rate fixed by the Port from time to time.
28.	Page 11, 8	Period of completion: 12 Months (Construction period) +	The 3 MLD Desalination Plant will comprise of Intake, Outfall, 3 MLD Desalination Plant, Remineralisation system, Dedicated MRSS, and other associated works along with Design and vetting. Based on the extent of work, we believe 12 months construction period is a challenge since design period is constant irrespective of any MLD Desalination plant. Kindly consider the construction period as 18 months. Please confirm.	Tender Condition prevails.
29.	Page 11, 2	Estimate Amount (excluding GST): Rs.67,44,09,720/-	Kindly provide the breakup of Capex and Opex estimate amount. We believe 67.44	As per the revised tender document published vide Corrigendum – III

			Crores is the Capex estimate excluding GST. Please confirm.	dated 11.02.2025, the estimate amount is for CAPEX alone excluding GST.
30.	Page 112, 4.4 2) b)	sludge outlet from Lamella, which shall be disposed off with brine through the outfall chamber) removed from the seawater or generated at the treatment plant to a identified disposal landfill	Kindly provide the distance of disposal site from Desal Plant location for disposing the sludge generated from Pre-treatment system. Kindly also delineate any tipping fee or disposal charges to be borne by bidder during 5 years of O&M for disposing sludge.	The sludge generated during operation is design to dispose as per the CRZ clearance obtained for the project and all expenses borne by bidders.
31.	Page 3, 1.1	Facilities in the offshore including intake & outfall systems.	Kindly provide the distance of Intake and Outfall location from the desalination Plant.	The Copy of CRZ clearance obtained is enclosed as Annexure.
32.	Page 133, 17	The contractor shall borne the cost of materials and other charges required for availing permanent power supply and shall submit the requirement of power and level of voltage along with tender. The tenderer shall avail the power supply from the nearest port power supply point by supply & installation of necessary equipments, cables, switches, etc. as directed by engineer – In charge.	We understand that permanent power through dedicated feeder has to be provided from nearest port substation. Kindly provide the location or distance of the port substation from the desalination plant. Since, this desalination plant is for the Port, we believe that permanent power may be provided by the client at the vicinity of 3 MLD Desalination Plant. Kindly confirm.	Please refer Sl.No.04.

33.	Page 132	<p>16 WASTE DISPOSAL</p> <p>1) The waste produced from the plant is to be transported away from the proposed plant site to the appropriate disposal location and should be disposed safely meeting the Tamil Nadu Pollution Control Board norms. It will be the responsibility of the bidder to estimate the exact quantity of waste and to convey the same to the disposal point. The bidder shall include the cost of collection, transportation and safe disposal of waste as a price in the annual maintenance cost.</p>	<p>Kindly provide the distance of disposal site from Desal Plant location for disposing the waste from Desalination Plant.</p> <p>Kindly also delineate what shall be the tipping fee or disposal charges that is to be borne by bidder during 5 years of O&M for disposing waste.</p>	Refer Sl.No.30
34.	General	Intake and Outfall	No fees will be required to be paid by Bidder for withdrawal of Sea water through Intake and for Disposal of Brine by Outfall. Kindly confirm.	Yes, No fees will be required to be paid by Bidder for withdrawal of Sea water through Intake and for Disposal of Brine by Outfall as per the CRZ clearance.
35.	General	Vetting	We understand that no charges for vetting of Civil Design by NIT/IIT is to be borne by the Bidder. Kindly confirm.	Charges will be borne by bidder for vetting of Civil Design by NIT/IIT
36.	Volume-III, Drawings	<p>Area Details:</p> <p>Total Area Allotted for SWRO Desalination Plant : 5.696 Hectare (or) 14.075 Acres</p>	We understands that the boundary wall shall be provided around the utilized plot. Kindly confirm.	The boundary wall shall be provided by the bidder.

37.	Volume-III, Drawings	General Arrangement Layout of 3 MLD SWRO Desalination Plant	We humbly request you to provide boundary co-ordinates of proposed site.	The co-ordinates for the project is enclosed as annexure.
38.	General		Kindly request you to provide Volume 2 technical specifications for Civil, Mechanical, E & I Work.	Refer Sl.No.19.
39.	General		Kindly allow bidder to consider ground water table as per the soil investigation report.	Refer Sl.No.22.
40.	General		We request you to kindly allow bidder to use M30 grade of concrete for water retaining structures and M25 for non water retaining structures.	Refer Sl.No.19.
41.	General		We kindly request you to provide topographical survey of proposed site.	Refer Sl.No.22.
42.	General		We humbly request you to provide soil investigation report of proposed sites including offshore area.	Refer Sl.No.22.
43.	General		We presume all liquid retaining structures shall be designed as per IS 3370 (latest revision). Kindly confirm.	Refer Sl.No.19.
44.	General		We presume all buildings shall be designed as per IS 456-2000 (latest revision). Kindly confirm.	Refer Sl.No.19.

45.	General		We presume depth of foundation, type of foundation shall be finalized based on the recommendations of soil investigation report. Kindly confirm.	Refer Sl.No.19.
46.	Volume – II Part D – Technical Specifications – Electrical Clause No : 4.7 Page No : 19/PDF File Page No : 661 0F 889	The transformer shall be designed so that the 66 kV cables, coming out of the cable duct, can be connected directly by means of cable sealing end fittings with protecting funnels, to the high voltage side. External cable sealing ends, exposed transformer bushings and cable connections shall not be accepted.	As per the Clause No : 4.7, we understand the primary voltage rating of Power Transformer is 22KV and Cable is also 22KV Grade to be connected from HV Switchgear Panel (22KV) Outgoing Feeder to Transformer Primary side. But as per another clause, transformer shall be designed so that the 66 kV cables. Please confirm.	Refer Corrigendum – III dated 11.02.2025.
47.	Volume – II Part E – Technical Specifications – Control and Instrumentations Works Clause No : 5.2.2 Page No : 51/PDF File Page No : 786 0F 889	The PLC shall be based on an “open” architecture where the system has inherent capabilities to integrate and exchange information with other systems and/or platforms via industry standard protocols.	Please confirm and clarify this clause while PLC Shall be cloud based open architecture to be consider. And through Redundant Profibus DP protocol via transfer the data from main DCS/PLC to Client system.	Refer Corrigendum – III dated 11.02.2025.
48.	Volume – II Part E – Technical Specifications – Control and	All the electrical I/Os shall be galvanically isolated using opto couplers and interface relays.	Please clarify this clause said about OPTO Couplers with interfacing relays however the couplers & interface relays to be considered in	Refer Corrigendum – III dated 11.02.2025.

	Instrumentations Works Clause No : 5.3.7 Page No : 52/PDF File Page No : 787 OF 889		the PLC panels or nearest to the Field instruments (Like Flow, Temperature, Pressure, Analysers, Level Switches etc.)	
49.	Volume – II Part E – Technical Specifications – Control and Instrumentations Works Clause No : 5.3.7 Page No : 2/PDF File Page No : 787 OF 889	All the electrical I/Os shall be galvanically isolated using opto couplers and interface relays.	Please clarify this clause said about OPTO Couplers with interfacing relays however the couplers & interface relays to be considered in the PLC panels or nearest to the Field instruments (Like Flow, Temperature, Pressure, Analysers, Level Switches etc.)	Refer Corrigendum – III dated 11.02.2025.
50.	Page 3, 1.1	Intake and Outfall	Due to small size of the Plant (3 MLD), we propose to provide Sea Water Intake by "Direct Suction Method" operated 24 X 7 with 2 Working & One Stand-by Pumps. Kindly confirm	The tenderer strictly follows the Intake and Outfall design and consideration as per the CRZ clearance.
51.	Page 3, 1.1	Intake and Outfall	Please provide distance of the Sea Water Pump House from the Land Fall Point.	Refer Sl.No.22.
52.	Page 3, 1.1	Intake and Outfall	The pipelines will be laid on the Sea Bed. However, the pipelines will be buried in Intertidal zone and on the Beach as well as on ground up to Pump House. Kindly confirm	Refer Sl.No.22.

53.	Page 3, 1.1	Intake and Outfall	Both Intake and Outfall Pipeline shall be installed by "Float-n-Sink" Method. Kindly confirm.	Refer Sl.No.22.
54.	Page 3, 1.1	Intake and Outfall	Anchor Blocks shall be designed to provide 70% Counter Buoyancy in submerged condition for both pipes. Kindly confirm	Refer Sl.No.22.
55.	-	Index	<p>Kindly provide the following documents indicated in the Index.</p> <p>Part C – General Information (Refer Volume II – Part A)</p> <p>Part D – Materials (Refer Volume II – Part A and B)</p> <p>Part E – Workmanship (Refer Volume II – Part A and B)</p>	Refer sl. No 22
56.	Drg.no. TWIC-VOC PORT-SWRO-042 General Arrangement Layout of 3 MLD SWRO Desalination Plant.	Unit.no. 31-Admin Building cum Lab, Canteen and Shift in-Charge Room	Kindly provide the Minimum area & specification for Admin Building cum Lab,Canteen and Shift in-Charge Room	Refer Sl.No.22.

57.	Drg.no. TWIC-VOC PORT-SWRO-042 General Arrangement Layout of 3 MLD SWRO Desalination Plant.	Unit.no. 39- Repair Shop	Kindly provide the Minimum area & specification for Repair Shop	Refer Sl.No.22.
58.	Drg.no. TWIC-VOC PORT-SWRO-042 General Arrangement Layout of 3 MLD SWRO Desalination Plant.	6.0m Wide Road	Kindly provide the Material of Construction & specification for 6.0m Wide Road	Refer Sl.No.22.
59.			We presume, all the pumps including motor shall be kept open to sky without any roof or Side enclosure. Please confirm	Refer Sl.No.22.
60.			We presume, RO shed shall be provided as structural steel shed Please confirm	Refer Sl.No.22.
61.		Topographical survey	Kindly provide the Topographical survey drawing with Existing Ground Level.	Refer Sl.No.22.

62.		Geotechnical report	Kindly provide the Geotechnical report of the Proposed Plot	Refer Sl.No.22.
63.		Finished Ground level	Kindly provide the Finished ground level of the proposed site	Refer Sl.No.22.
64.		Finished Ground level	We presume, existing ground level is considered as finished ground level. Hence, cutting or filling is not envisaged. Please Confirm	Refer Sl.No.22.
65.	Drg.no. TWIC-VOC PORT-SWRO-042 General Arrangement Layout of 3 MLD SWRO Desalination Plant	Site coordinates	Kindly provide the Corner coordinates of the proposed site.	Refer Sl.No.22.
66.	Drg.no. TWIC-VOC PORT-SWRO-042 General Arrangement Layout of 3 MLD SWRO Desalination Plant	Compound wall	Kindly provide the specifications such as Material of construction , height of the compound wall.	Refer Sl.No.22.

67.	Drg.no. TWIC-VOC PORT-SWRO-042 General Arrangement Layout of 3 MLD SWRO Desalination Plant	Compound wall	Kindly provide the length of the compound wall.	Refer Sl.No.22.
68.		Approach Road	Kindly provide the length of approach road (if any)	Refer Sl.No.22.
69.		Design Water table	We presume, the water table for the design of uplift for Liquid retaining structures shall be designed as per Geo technical report. Please Confirm	Refer Sl.No.22.
70.		Grade of Concrete	We presume, the grade of concrete for Liquid retaining structures shall be M35 & M30 for Buildings Please Confirm	Refer Sl.No.19 & 22.
71.		Grade of Reinforcement	We presume, the Fe500 TMT bar shall be used for all structures Please Confirm	Refer Sl.No.19 & 22.
72.		Grade of Cement	We presume, PSC cement shall be used for all liquid retaining structures in contact with sea water Please Confirm	Refer Sl.No.19 & 22.

73.		Epoxy Coating for Liquid retaining structures	We presume, the internal coating for all liquid retaining structures in contact with sea water shall be provided with 2 coats of 175 microns epoxy coating Please Confirm	Refer Sl.No.19 & 22.
74.			Kindly provide the specification for Civil, Structural & Architectural works	Refer Sl.No.19 & 22.
75.	Scope of Work	Product water pumping main to nearby VOC Port sump,	Kindly provide the location of the VOC port sump	Refer Sl.No.22.
76.	Scope of Work	Product water pumping main to nearby VOC Port sump,	Kindly provide the longitudinal section along with the ground levels & length of the Product water pumping main	Refer Sl.No. 22.
77.		Minimum Thickness of Structural elements	We presume, the minimum thickness of all Structural elements will be considered based on the reinforcement cover as per IS456. Please Confirm	Refer Sl.No.19 & 22.
78.	Clause 2 THE CONTRACT	2.2. Extension of Term The Employer reserves the right to extend the O&M Contract for another 5 years beyond the initial O&M period of 5 years for which the Employer shall give a written notice of 180 days prior to expiry of initial period of 5 years.	The price for the additional 5 years of O&M shall be mutually agreed upon by both the parities. Please Confirm	Yes, The O&M Period can be extended for periods beyond the initial 5 years based on same terms and conditions of the Contract subject to mutual agreement of both Parties

79.	Clause 3 SCOPE OF O&M WORK	3.1 Pre-Operations Stage a) Identify and acquire all Clearances required for the operation of the Facility and for the fulfilment of his obligations under this section.					We request the employer to acquire all the clearances & required approvals for the Operation & Maintenance, as the Employer own's the complete plant	Refer Tender Clause 9.8
80.	Clause 16 WASTE DISPOSAL	"16 WASTE DISPOSAL The bidder shall include the cost of collection, transportation and safe disposal of waste as a price in the annual maintenance cost. "					We request the employer to provide the disposal location, and specify the distance from the site to the disposal location. We also request the employer to bear any tipping fee and satutory complainance, if applicable.	Refer SI.NO.30
81.	Schedule C– Liquidated Damages (Operations) for failure to maintain	7.	Annual average power consumption above the threshold specified in the Schedule of Guarantees - SWRO Plant	Total excess power used (kWh) x average TANGEDCO Ltd tariff ¹ x 2 ¹ Calculated as total Tangedco Ltd energy charges in the year (LKR) including taxes (if any) / Total power consumed (kWh)	Annually evaluated and Monthly recorded	Raw water parameters outside the range for source water quality specified in Employer's Requirements (Volume II Part A).	1. We request the employer to accept the LD for excess power consumption at actuals, not twice as it adversely affect the cashflow of the contractor during O&M. 2. The LD for excess power consumption will be annually evaluated. Please confirm our understanding	Tender Condition prevails.

82.	Schedule C– Liquidated Damages (Operations) for failure to maintain	1.	Failure to supply the guaranteed minimum plant output specified in the Schedule of Guarantees, when requested by the Employer.	Rs 200 per KL of shortfall	Monthly	<p>Up to 1.25 days per Month of plant downtime to accommodate planned maintenance activities.</p> <p>Plant downtime caused by interruptions in electricity supply unless the cause of such downtime lies with the Contractor.</p> <p>Amount of shortfall attributable to unplanned interruptions for which damages have been paid separately under item 2 below.</p>	<p>Please Clarify that LD for failure to supply the guaranteed minimum plant output shall be as specified in Schedule C– Liquidated Damages (Operations) for failure to maintain or 1.5.</p> <p>Penalty for Non Performance</p>	As per the design the contractor shall produce 3 MLD of desalinated water from the plant.
83.	Schedule C– Liquidated Damages (Operations) for failure to maintain	3.	Non-compliance with Potable Water Quality Requirements specified in Employer's Requirements (Volume II Part A)	<p>Rs.25000/daily. Or 50% of the Contractor's Daily Fixed Fee Amount whichever is higher, if the product water is accepted by the Employer. Where the Contractor's Daily Fixed Fee Amount = Contractor's Yearly Fixed Fee / 365.25</p> <p>100% of all Contractor payments for the Operation Service for each day of non-compliance if the product water is not accepted by the Employer.</p>	Daily	The employer may accept for 2 hours or less period of time water that meets the health requirements but does not meet the aesthetic requirements. However consistent or regular transgressions of the aesthetic requirements would not be accepted.	<p>Please Clarify that LD for failure to supply the guaranteed minimum plant output shall be as specified in Schedule C– Liquidated Damages (Operations) for failure to maintain or 1.5.</p> <p>Penalty for Non Performance</p>	As per the design the contractor shall produce 3 MLD of desalinated water from the plant and maintain the water quality as per the Tender clause 18.

84.	Schedule C– Liquidated Damages (Operations) for failure to maintain	4.	Failure to undertake water quality testing in accordance with the frequencies specified in (Employer's Requirements)	Rs.25,000 per day of non-compliance with the frequency requirements.	Daily	None	Please Clarify that LD for failure to supply the guaranteed minimum plant output shall be as specified in Schedule C– Liquidated Damages (Operations) for failure to maintain or 1.5. Penalty for Non Performance	As per the design the contractor shall produce 3 MLD of desalinated water from the plant and maintain the water quality as per the Tender clause 18.
85.	Performance Guarantee Trial Run	b) In the event of a failure when the system or any of the facilities does not satisfactorily achieve the required performance standards during this period, the PGTR shall be extended until the Concessionaire has satisfactorily rectified any deficiency as may be necessary to satisfy the performance requirements. After successful completion of PGTR, the Concessionaire shall carry out Reliability test for achieving the required water quality standards as well as passing all Tests for a period of 15 consecutive days, including criteria relating to the reliability of the Plan				Please clarify the number of repetitions allowed in the event of failure during PGTR.		In the event of failure, one additional repetition will be allowed.

86.		Financial evaluation	Please share us the financial bid evaluation criteria.	Bid project cost +O&M charges + power changes = lowest
87.			Kindly share us the revised BOQ in excel format to submit along with the bid	As per the revised tender document and Financial Bid published vide Corrigendum – III dated 11.02.2025, the bidder has considered only the revised BOQ, duly filled and uploaded in the Financial BID as PDF Format. Financial Bid evaluation is only based on the duly filled revised Financial Bid uploaded by the Bidder.
88.			Bidder hereby requests the Employer to provide 10% of Interest free Advance payment against Equivalent bank guarantee for better cash flow. Please confirm	No Advance amount is payable.
89.	11. LIMITATION OF LIABILITY		Bidder hereby understands that the limitation of liability during EPC period is 100% of the EPC Contract value. Please confirm.	Clause self-explanatory.

90.	Table 6.0: SWRO Trains (To produce 5mld product water)	To produce 5mld product water)	As per tender 3 MLD to be produced as product water .Kindly confirm	Refer Corrigendum – III dated 11.02.2025.
91.	Table 6.1: BWRO Trains (To produce 5mld product water)	To produce 5mld product water)	As per tender 3 MLD to be produced as product water .Kindly confirm	Refer Corrigendum – III dated 11.02.2025.
92.	Table 7.0 Primary Flows – (To produce 5mld product water)	(To produce 5mld product water) and all flow balance provided are based on 5 MLD production	As per tender 3 MLD to be produced as product water .Kindly confirm	Refer Corrigendum – III dated 11.02.2025.
93.	Intake System	One (1) no. 500 mm HDPE pipe (PN 6 PE 100 as per IS 4984/2016) for connecting intake screen to onshore pump house.	Our understanding is Intake & outfall pipe to be provided for the capacity to produce 5 MLD production.Kindly confirm	Refer Corrigendum – III dated 11.02.2025.
94.	Intake Pipe	a) Number of Sea water offshore Intake pipes One(1) b) Intake design flow rate 625 m3/hr (15 MLD) c) MOC of the offshore intake pipes up to intake chamber HDPE d) Size of the offshore Intake Pipeline Minimum 500mm,PN 6 PE 100 as per IS 4984/2016	Our understanding is Intake & outfall pipe to be provided for the capacity to produce 5 MLD production.Kindly confirm	Refer Corrigendum – III dated 11.02.2025.
95.	Sea Water Intake Well Design Parameters	Inlet flow (max.) (MLD) 14.16	Our understanding is Intake & outfall pipe to be provided for the capacity to produce 5 MLD production.Kindly confirm	Refer Corrigendum – III dated 11.02.2025.

96.	DMF Filtrate tank,	Effective liquid storage volume of tank (m3)	Tank Capacity provided for 5 MLD .With refer to the updated 3 MLD capacity ,effective volume to be revised .Kindly clarify.	Refer Corrigendum – III dated 11.02.2025.
97.	UF FILTRATE COLLECTION TANK / UF PERMEATE TANK	Effective liquid storage volume of tank (m3)	Tank Capacity provided for 5 MLD .With refer to the updated 3 MLD capacity ,effective volume to be revised .Kindly clarify.	Refer Corrigendum – III dated 11.02.2025.
98.	SWRO PERMEATE TANK	Effective liquid storage volume of tank (m3)	Tank Capacity provided for 5 MLD .With refer to the updated 3 MLD capacity ,effective volume to be revised .Kindly clarify.	Refer Corrigendum – III dated 11.02.2025.
99.	BWRO PERMEATE TANK	Effective liquid storage volume of tank (m3)	Tank Capacity provided for 5 MLD .With refer to the updated 3 MLD capacity ,effective volume to be revised .Kindly clarify.	Refer Corrigendum – III dated 11.02.2025.
100.	POTABLE WATER STORAGE TANK	Effective liquid storage volume of tank (m3) 210	Tank Capacity provided for 5 MLD .With refer to the updated 3 MLD capacity ,effective volume to be revised .Kindly clarify.	Refer Corrigendum – III dated 11.02.2025.
101.	Re-mineralization/Stabilization	Limestone & Carbon Dioxide	Since SWRO Permeate water is blended with BWRO permeate water ,product water shall be acheivable within the limit TDS 255 ppm .Kindly clarify the requirement of remineralization.	Refer Corrigendum – III dated 11.02.2025.

102.	FERRIC CHLORIDE STORAGE TANK	Bulk storage of Ferric chloride	Since the plant capacity is less 3 MLD, better we shall store it in the chemical house to avoid the concentration loss in the bulk storage tank .	Refer Corrigendum – III dated 11.02.2025.
103.	98 % SULPHURIC BULK STORAGE TANK	98 % SULPHURIC BULK STORAGE TANK	Since the plant capacity is less 3 MLD, better we shall store it in the chemical house to avoid the concentration loss in the bulk storage tank .	Refer Corrigendum – III dated 11.02.2025.
104.	CAUSTIC LYE STORAGE TANK	CAUSTIC LYE STORAGE TANK	Since the plant capacity is less 3 MLD, better we shall store it in the chemical house to avoid the concentration loss in the bulk storage tank .	Refer Corrigendum – III dated 11.02.2025.
105.		Outfall Pipe a) Number of Sea water offshore Outfall pipes One(1) b) outfall design flow rate All wastes generated from the Plant or 417 m3/hr (whichever is higher)	Our understanding is Intake & outfall pipe to be provided for the capacity to produce 5 MLD production.Kindly confirm	Refer Corrigendum – III dated 11.02.2025.
106.			Bidder hereby requesting the Employer to share the following details. 1. Bathymetry report, 2. Topographical study, 3. CRZ, 4. Met Ocean data, 5. On shore & Off shore geotechnical reports, 6. Soil investigation report and	Refer Corrigendum – III dated 11.02.2025.

			7. EIA Report 8. Dispersion study	
107.	2.1.5 Design Responsibilities	Permits and Approvals	We understands that all permits and approvals for design, construction and operations of a Desalination plant will be in the scope of Employer and the Contractor shall prepare all documentation and provide assistance to the Employer in obtaining such approval, permits or licenses.Please confirm	Statutory fees will be reimbursed or paid by client and rest of all will be bidders scope.
108.			Bidder hereby requesting the Employer to share the Layout in CAD version	Refer SI.No.22
109.			Please share us the historical Sea Water parameters of last 3 years.	Refer SI.No.22
110.			Kindly share us the NGL and FGL of the Desalination Plant	Refer SI.No.22
111.	Corrigendum III	The NIT No.45CE/RCM&BMR/2024-25/D.3531 dated:16.12.2024 issued for the captioned project and its corresponding Tender Document (Technical Bid & Financial bid) are annulled.	"a. As per Corrigendum III old Tender documents are annulled. But it is observed that old tender documents are also uploaded with new tender document.	The bidder consider revised NIT, tender document and Financial Bid as per Corrigendum III published dated 11.02.2025.

			<p>b. We presume that it is not required to consider old Tender Documents. Please confirm.</p> <p>c. We presume that it is not required to submit the Data sheets and Drawings as per the O&M Tender documents. The same can be submitted after award of the work. Kindly confirm."</p>	
112.	Corrigendum III	The NIT No.45CE/RCM&BMR/2024-25/D.3531 dated:16.12.2024 issued for the captioned project and its corresponding Tender Document (Technical Bid & Financial bid) are annulled.	<p>"a. As per Corrigendum III old Tender documents are annulled.</p> <p>b. But it is observed that old and new Tender NIT numbers are same.</p> <p>c. We request you to change NIT no. to avoid confusion in future."</p>	The bidder consider revised NIT as per Corrigendum III published dated 11.02.2025.
113.	Pg No 7 of 221 Index Cl 2.4	Design of 5 MLD Desalination Plant on Site Areas for Other uses	We presume that the capacity of Desalination plant is 3 MLD and all relevant clauses to be corrected accordingly.	Design of 5 MLD Desalination Plant on Site Areas for Other uses can be read as Design of 3 MLD Desalination Plant on Site Areas for Other uses.

114.	Pg. No : 11 of 221 Tender Notice	NOTICE INVITING TENDER FOR THE WORK OF "Establishment of 3 MLD Desalination Plant based on sea water reverse osmosis at V.O.Chidambaranar Port and Operation and Maintenance for 5 Years on DBO Mode "		
115.	Pg No 175 of 221 Form - IX Integrity Pact	WHEREAS the PORT proposes to execute the work "Establishment of 5 MLD Desalination Plant based on Sea Water Reverse Osmosis at V.O.C Port Authority, Tuticorin on Design, Build, Finance, Operate and Transfer (DBFOT) Basis"		Refer Sl.No.26
116.	Drawings-VOC PORT- SWRO-001	Consultancy Services for Preparation of Feasibility Report and PMC for Establishment of 3 MLD Desalination Plant at VOC Port Trust, Tuticorin		
117.	Pg No : 11 of 221 CI No : 7	Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand Ninety Eight Only) Mode of payment as under: Rs.25.00 Lakhs in the form of RTGS/NEFT payable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil Nadu State, India. (Account details given in Cl.2.1.2 of Tender document).	"a.We presume that Bank beneficiary details of NEFT is applicable for Bank Guarantee also. Please confirm. b.We presume that the EMD can be submitted by the Lead member or any Other member of the Joint Venture in case of Joint Venture. Please confirm.	Yes, Bank beneficiary details of NEFT is applicable for Bank Guarantee also.

		Rs. 67,44,098 /- in the form of irrevocable Bank Guarantee from any Nationalised Bank / Scheduled Bank or Non Nationalised / Scheduled Bank having its branch at Tuticorin / Chennai in prescribed Performa attached along with Tender Document.	c. We request you to consider EMD in the form of Insurance surety bond in addition to Bank Guarantee. Please confirm."	
118.	Pg No. 11 of 221 Cl No 8	12 Months (Construction period) + 6 Months (Trail Commissioning period) and 60 Months (O&M period)	"12 Months duration will not be sufficient including Design and Construction. 18 Months may be considered. Please confirm."	Tender Condition prevails.
119.	Pg No. 11 of 221 Cl No 8	12 Months (Construction period) + 6 Months (Trail Commissioning period) and 60 Months (O&M period)	We presume that O&M Period shall be 5 years. Request you to correct all the relevant clauses accordingly.	APPENDIX TO TENDER - IMPORTANT CLAUSES - Time of completion - No 9.3 Amended as 12 months (for Construction) + (6 Months for Trail Commissioning) and 60 Months for Operation and Maintenance from the 15th day of written order to commence And Period of Maintenance – 10.1.1 - The period of maintenance is 60
120	Pg. 32 of 221 Cl. 9.3	12 months (for Construction) + (6 Months for Trail Commissioning) and 36 Months for Operation and Maintenance from the 15th day of written order to commence the work.		
121.	Pg. 32 of 221 Cl. 10.1.1	The period of maintenance is 36 months from the date of completion of work certified by the Engineer.		

				months from the date of completion of work certified by the Engineer
122.	Pg no. 12 of 221 Cl. 3	<p>Work Experience :The tenderer should have successfully completed works as detailed below during the last Seven years ending up to 31.01.2025 fulfilling the following conditions:1. The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending up to 31.01.2025, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 2.4 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.</p>	Both the clauses are contradictory, we presume that any member of JV should satisfy Sea Water Desalination Plant experience.Please confirm	Refer Corrigendum VI.
123.	Pg no. 13 of 221 Cl. B	(B) If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture/consortium and the lead partners should meet not less than 40 % of the qualifying criteria and other		

		partners should meet individually not less than 26% of qualifying criteria and all the partners should collectively meet 100% of qualifying criteria, also consortium members / sub-contractors are allowed from other country		
124.	Pg No : 17 of 221 CI No : 8	We further agree that in addition to the Performance Security in any one of the forms described in Sub-Clause 6.2.1. of the General Conditions of Contract with good and sufficient sureties furnished by us for the faithful performance and proper fulfilment of the Contract, we shall permit the Port at the time of making any payment to us for work done under the Contract to deduct at the rate of 10% of the total value of the interim certificate from each interim certificate towards Security Deposit till the whole of the Security Deposit at 5% of the Contract value is realized as described in Sub-Clause 6.2.2. of General Condition of Contract.	We request you to deduct 5% Security deposit from RA Bills instead of 10% in the interest of the Project since it will demand a huge cash flow. Kindly confirm.	Tender condition prevails.
125.	Vol I Pg. No : 26 of 221, CI.No : 16	A schedule of monthly electric power consumption and peak power requirement if required from Port.	We presume that the Contractor can submit monthly Electric power consumption and Peak power requirement upon award of Contract, during Detailed Engineering.	Agreed and no any variation accepted by client.

			Please confirm.	
126.	Pg. 32 of 221 Cl. 15.1.1.	75% of the net amount of Interim Certificate within 10 days and balance within 30 days.	a) We request you to pay the Adhoc and Balance payment of RA bills within 10 days and 30 days from the date of submission of the RA bill. b) Otherwise, please specify time required for Adhoc and Balance payment certification. Please confirm.	Tender Condition prevails.
127.	Pg No 40 of 221 CI No 6.2	The Bank Guarantee should be sent to the Port directly by the issuing bank under Registered Post (A.D). The original Bank Guarantee should reach within five days from the date of opening of technical bid.	We presume that EMD Bank guarantee to be submitted within five days after the Date of opening of Technical Bid. Please confirm.	Yes, it can be accepted.
128.	Pg 41 of 221 CI No 6.2.2	The balance being held in deposit as security for satisfactorily maintaining the works free from defects for a period of 60 months after the actual date of completion of works.	Request you to consider Defect Liability Period of 12 Months as per Industry Practice. Kindly confirm.	Tender Condition prevails.
129.	Pg. 67 of 221 Cl. 9.7.1	If the Contractor fails to complete the work in all respects within the time specified or within the	Liquidated Damages 1% of Total value of work is on higher side. Kindly consider	Tender Condition prevails.

		extended time that may be allowed by the Engineer as per Clause 9.4 hereof, the Contractor shall pay or allow the Board to deduct a sum equivalent to 1% per week (the amount stated in the Appendix to Tender) or part thereof the total value of the Construction Contract subject to a maximum 10%	Liquidated Damages of 1% of Balance value of work subject to a maximum of 5% of Contract value. Kindly confirm.	
130.	Pg No : 83 of 221 CI No : 21	The Contractor should deposit with the port an amount equivalent to 10% the claims submitted for arbitration beforehand. The deposit will be refunded to the contractor if the arbitration award is in his favour and otherwise the amount to be refunded to him will be in proportion to the amount of claims admitted by the arbitrator and the balance amount of the deposit will stand forfeited.	We request you to delete the clause, since this is not as per Industry Practice.	Tender Condition prevails.
131.	Pg No. 84 of 221 XI. NO. 24(A)	A) Construction Period No Price escalation is applicable for Construction Period	We request you to provide the Price Escalation during Construction period as per WPI & CPI indices.	Tender Condition prevails.
132.	Pg no: 103 CI; 8.2, of VOLUME – I	Ancillary works like approach roads, compound wall / fencing with gates, Internal roads, pathways, area grading, landscaping etc. and all other civil works not connected with Stage 1 to Stage 4	These works are not related to Commissioning and Trail run. Request not to deduct any amount towards Commissioning and Trail Run.	Tender Condition prevails.

		a. Commissioning of the Plant - 5% b. 6 months trial run - 5%	Kindly confirm.	
133.	Tender document Pg 103 of 221	Testing and Commissioning - 10% Trail Run - 5%	The Proposed Payment schedule demands huge cash flow and not inline with the expenditure incurred for the Project. We request you to consider the following changes in the interest of the Project. Kindly note that at any point of time 5% Security Deposit and 5% Performance Guarantee will be available with Client as a guarantee. Testing and Commissioning - 2% Trail Run - 1%	Tender Condition prevails.
134.	Tender document Pg 104 of 221			
135.	Tender document Pg 108 of 221			
136.	Pg. No : 107 of 221 Vol II, Part F O&M CL.No : 1.3	Clearance any consent, license, approval, permit, ruling, exemption, or other authorization of whatsoever nature which is required to be granted by any Competent Authority to undertake, implement, operate and maintain the Facility.	We understand that CRZ clearance is already obtained for intake and outfall pipeline. Kindly confirm.	Refer Sl.No.06
137.	Pg. No. 133 / Cl. No. 17 4, of techbidrevised	The Contractor shall borne the cost of materials and other charges required for availing permanent power supply and shall submit the requirement of power and	Please provide distance between tapping point to proposed Desalination plant layout.	The nearest Port power supply point is 22 KVA Sub Station by supply & installation of necessary

		level of voltage along with tender. The tenderer shall avail the power supply from the nearest port power supply point by supply & installation of necessary equipment's, cables, switches, etc as directed by engineer – In charge.		equipment's, cables, switches, etc as directed by engineer
138.	General	DPR	Please provide the complete DPR with Cost Estimates for better understanding of the Scope of work.	Cost Estimate cannot be provided.
139.	General	Offshore Bathymetry survey report	Kindly share the offshore Bathymetry survey report for the proposed intake and outfall pipeline routing for better understanding of the Scope of work.	Refer Sl.No.22
140.	General	Geotechnical Investigation Report	Kindly share the Offshore Geotechnical report for the proposed intake and outfall pipeline routing and Desalination Plant for better understanding of the Scope of work.	Refer Sl.No.22
141.	General	Technical specification's	Technical specifications are not provided. We presume that Contractor can adopt standard specifications duly meeting outlet standards. Please confirm.	Refer Sl.No.19 & 22.

142.	General		The subject matter of Bid is 3 MLD SWRO. But the main component of Membranes and Inlet Intake and reject off take is for 5MLD plant. This leads to disproportionate BOQ as compared to stated capacity of the plant. This ultimately escalates the costing of the SITC of the subject plant.	As per the revised tender document published vide Corrigendum – III dated 11.02.2025, the tender has to design, build and operate for 3 MLD desalination plant.
143.	General		If it is a 5 MLD plant, recommended membrane in the Tender documents for SWRO is 350 Nos which might be insufficient as per our suggested design. It shall require around 420 Nos of membrane for SWRO and 100 Nos of membrane for BWRO.	Refer SI.N0.19 & 22
144.	General		If it is a 3 MLD plant, we shall require around 240 Nos membrane for SWRO and 50 Nos membrane for BWRO	Refer SI.N0.19 & 22
145.	General		It is recommended in the Tender documents to provide for liquid CO2 for remineralization. Liquid CO2 is classified as hazardous chemical and create avoidable challenges in management of the plant. We suggest considering an alternative for the same.	Refer SI.N0.19 & 22

			Sodium and Calcium salts are available in market which can be used instead of liquid CO2.for the purpose. It will be economical and safe.	
146.	General		We, therefore, request you to please allow us 30 days for the process and formally extend the date of submission of bid.	Tender Condition Prevails.
147.	9. WATER STORAGE	Existing Storage Tank Water from the potable water storage tank shall be pumped to the Employer's existing Underground reservoir made of RCC construction and details are as per Table 40.0 shown below. Maximum level to be considered at the product water main consumer end shall be taken as +5.000m.	As per tender document, water from the potable water storage tank shall be pumped to the Employer's existing Underground reservoir. Hence please provide the distance from potable water storage tank to existing Underground reservoir.	Refer Sl.No.19
148.	9. WATER STORAGE	Existing Storage Tank Water from the potable water storage tank shall be pumped to the Employer's existing Underground reservoir made of RCC construction and details are as per Table 40.0 shown below. Maximum level to be considered at the product water main consumer end shall be taken as +5.000m.	As per tender document, water from the potable water storage tank shall be pumped to the Employer's existing Underground reservoir. Please provide the location of existing	Refer Sl.No.19

			Underground reservoir with tentative pipe routing marked in drawing.	
149.	3.2 Piping Material :	Low pressure sea water, brine, permeate, product - Poly Vinyl Ester RTR pipe	We presume that bidder shall consider Is phthalic resin for GRP Pipes for low pressure sea water & brine lines. Please confirm.	Refer SI.No.19
150.	Table 22.0 Piping materials	High pressure feed and concentrate piping and headers - Stainless Steel, Super duplex, PREN > 40	Bidder presume that Sea water SWRO high pressure feed and concentrate pipe material of construction shall be Super Duplex Stainless Steel (UNS S32750 & PREN > 40). Please Confirm	Refer SI.No.19
151.	Table 22.0 Piping materials	Product piping - Stainless steel	We presume that bidder shall consider GRP Pipes for Product water transmission mains from potable water storage tank to existing Underground reservoir. Please confirm.	Refer SI.No.19
152.	3.2 Piping Material :	98 % concentrated Sulphuric acid - PTFE lined carbon steel	For sulphuric acid fluid service, Bidder shall consider Pipe material of construction shall be SS 316L in addition to PTFE lined carbon	Refer SI.No.19

			steel. Please confirm.	
153.	3.2 Piping Material :	Ferric ,Polymer,SBS ,sodium hypochlorite , calcium hypochlorite - Poly Vinyl Ester RTR pipe (with anti UV protection for outdoor installations)	Bidder presume that Non metallic Pipes & Valves (CPVC) shall be used for Dosing system wherever dosing chemicals properties are allowed. Please confirm	Refer Sl.No.19
154.	3.2 Piping Material :	Chemical cleaning ,air scour - RTR epoxy with anti UV protection	We presume that GRP with epoxy resin pipes shall be applicable only for RO CIP & Air scour lines. Please confirm	Refer Sl.No.19
155.	3.2 Piping Material :	Low pressure sea water,brine,permeate,product - Poly Vinyl Ester RTR pipe	We presume that GRP pipes shall be used from Sea water intake pump discharge up to suction side of SWRO HP pump. Please confirm.	Refer Sl.No.19
156.	Table 21.0 SWRO and BWRO Design Parameters	MATERIAL OF CONSTRUCTION Low pressure piping in RO skid : Duplex SS 2205	We presume that SSS16L/CPVC pipes shall be considered for low pressure permeate piping in the RO skid.Please confirm.	Refer Sl.No.19
157.	10.0 Piping System :	Pipe sizing for the required services shall conform to the following velocity criteria as maximum limit :	We presume Bidder shall consider Air pipe sizing velocity shall be 20 m/s.	Refer Sl.No.19

		PVC 1.5 m/s GRP 2.5 m/s SS 3.5 m/s CS 1.83 m/s	Please confirm	
158.	2.0 Butterfly Valves :	2.1.1.Rubber seated or metal seated butter fly valves are preferred for all low pressure applications for isolation and modulation .	We presume that bidder shall consider low pressure sea water & Brine application Butterfly Valve specification shall be followed as follows, Body: Ductile Iron rubber lined Seat: EPDM Disc: Super Duplex Please confirm	Refer Sl.No.19
159.	21.3. BUTTERFLY VALVE (suitable for the product water main) (wherever required)	VALVE MATERIAL SPECIFICATION (Equivalent or Superior) Body: Cast: ASTM A 216 GR.WCB Shaft (Anti-Static), Body Screws/ Pin and Disc: Bronze Liner: EPDM Completely fixed Shaft Bushing: PTFE	We presume that bidder shall consider RO CIP, RO Flushing, RO permeate, Lime Stone Filter, Product water & Service Water application Butterfly Valve specification shall be followed as follows, Body: Ductile Iron rubber lined Seat: EPDM	Refer Sl.No.19

		Shaft Seal: PTFE / EPDM Clamping Rings (if Reqd.): Brass	Disc: Stainless steel Please confirm	
160.	21.3. BUTTERFLY VALVE (suitable for the product water main) (wherever required)	Valve shall be Flanged Type. Valve ends to suit B 16.5 RF / 125 AARH	We presume that wafer end butterfly valves shall be used up to size DN600 and above DN600 shall be flanged end. Please Confirm	Refer Sl.No.19
161.	21.3. BUTTERFLY VALVE (suitable for the product water main) (wherever required)	Valve shall be Flanged Type. Valve ends to suit B 16.5 RF / 125 AARH	We presume that pressure rating shall be minimum PN10 for Sea water low pressure piping & valves. Please confirm	Refer Sl.No.19
162.	4.0 Check Valves (Non Return Valves) :	4.4 Material Of Construction : 4.4.1 Disc Material : For sea water application at low pressure – ASTM B148-C95800	We recommend that lined body check valve with super duplex disc shall be used instead of complete super duplex as mentioned below. Type: Dual plate check valve Body: DI with Rubber lining, Disc: Super Duplex Please confirm.	Refer Sl.No.19

163.	3.0 Plug Valves :	Plug valves are required for high pressure applications in flow control of RO feed and reject ,energy recovery device bypass and open /close isolation in chemical cleaning applications .	We presume that butt welded end plug valves shall be used for isolation purpose in RO high pressure lines. Please confirm	Refer Sl.No.19
164.	12 to 15 of Revised Technical Bid	(B) If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture/consortium and the lead partner should meet not less than 40 % of the qualifying criteria and other partners should meet individually not less than 26% of qualifying criteria and all the partners should collectively meet 100% of qualifying criteria, also consortium members / sub-contractors are allowed from other country	Kindly confirm criteria of Prime Bidder in the Consortium / JV. If JV consist of Technology provider who fulfill the Qualification Criteria and Other JV Partner fulfill Financial Criteria. Kindly confirm the company of JV who fulfill the Financial Criteria could be the Lead Partner of JV / Consortium.	Refer Corrigendum VI.
165.	11 of Revised Technical Bid	Earnest Money Deposit :Rs. 92,44,098/- Rs.25.00 Lakhs in the form of RTGS/NEFT Rs. 67,44,098 /- in the form of irrevocable Bank Guarantee	Kindly allow us to submit the total Bid Security amount of Rs. 92,44,098/- in the form of Bank Guarantee. In case of JV / Consortium, please confirm us on which company name the BG has to be submitted	Tender Condition prevails. Lead Member should submit the BG.
166.	11 of Revised Technical Bid	Estimate Amount (excluding GST) : Rs.67,44,09,720/-	Please confirm whether the mentioned value is inclusive of 5 years O & M cost	Refer Sl.No.11

167.	-	BOQ_244249	In the Excel Format BOQ (BOQ_244249) it is mentioned that O & M is 3 years instead of 5 years.	Refer Sl.No.87
168.	12 of Revised Technical Bid	Undertaking by the bidder that the credentials submitted are true and duly attested by Notary Public	Please provide the format, if any	All the credentials submitted by the bidder are true and duly attested by Notary Public.
169.	157 & 162 of Revised Technical Bid	Tender Acceptance Letter – Annexure – F Letter of Application - FORM I (A) in Company Letter Head	In case of JV / Consortium, please confirm on which partner's letterhead (Lead or Other Partner) it is to be submitted	Tender Acceptance Letter – Annexure – F and Letter of Application - FORM I (A) to be submitted in Lead Member letter head.
170.	-	Technical - General	Since the project has to be executed on DBO Mode, can the bidder make appropriate changes in tender process scheme like elementation of either UF or Media Filtration, please confirm.	Refer Sl.No.19.
171.	-	Technical - General	Is Second Pass RO is mandatory	Refer Sl.No.19.
172.	134 of Revised Technical Bid	Water shall meet quality criteria mentioned in tender as per bid. For avoidance of doubt, characteristics mentioned in IS 10500:2012 or such standard applicable on the date of submission of Bid / Tender Documents. shall be taken into consideration.	As per IS 10500:2012, TDS of potable water shall be 500 ppm. Refer Table 2 for guaranteed parameters mentioned TDS is 225 ppm however refer to individual ions like chlorides 250 ppm, Total Hardness (as CaCO3) – 200	Refer Sl.No.19.

		However, the Contractor shall design the sea water desalination plant so as to achieve final treated water having total dissolved solids (TDS) of 225 mg/l consistently.	ppm the TDS Shall not be 225 ppm. We request your confirmation on treated water parameters.	
173.	219 of Revised Technical Bid	General Arrangement Layout of 3 MLD SWRO Desalination Plant Carbonation Tower	Kindly confirm the requirement for a Carbonation Tower, specifying its applicability, exact location, and providing the relevant design datasheet.	Refer Sl.No.19.
174.	221 of Revised Technical Bid	General Sea Water inlet Parameters	We hereby request you to kindly provide the Sea water inlet parameters and temperature range to be considered for design purpose.	Refer Sl.No.22.
175.	221 of Revised Technical Bid	Primary Flows -(to Product 3 mld Product Water)	We hereby request you to kindly share revised Primary Flows to Product 3 mld Product Water.	Refer Sl.No.22.
176.	221 of Revised Technical Bid	RO Train Configuration for SWRO Trains (To Produce 3 MLD Product Water)	We hereby request you to kindly provide the revised primary flow details for producing 3 MLD of product water.	Refer Sl.No.22.
177.	221 of Revised Technical Bid	Flow for 1) Lime Stone Filter 2) Degassed Tower	We hereby request you to Kindly provide the capacity/ flow rate specifications for the Limestone Filter and Degassed Tower.	Refer Sl.No.22.

178.	221 of Revised Technical Bid	Water Quality Design Criteria 1) Seawater Quality - Design Criteria 2) Water Quality Outlet at SWRO Plant	We hereby request you to Please provide the revised water quality design criteria.	Refer Sl.No.19 & 22.
179.	221 of Revised Technical Bid	CO2 Dosing System Design Parameters @ lime stone filter inlet	We hereby request you to Kindly provide the design parameters for the CO ₂ dosing system at the Limestone Filter inlet.	Refer Sl.No.19.
180.	103 of Revised Technical Bid	Contractors payment	We request you to consider 10% overall retention in payment.	Tender Condition prevails
181.	136 clause no. 1.5 of Revised Technical Bid	Penalty for non performance	We hereby request you to make maximum 15 % penalty on monthly payment for not meeting KPI's	Tender Condition prevails
182.	-	O&M Scope	We hereby request you to kindly confirm the O&M Scope.	The O & M Scope is mentioned in the Tender Document.
183.	-	Construction Water	We hereby request you to kindly confirm the scope of construction water	Refer Tender clause 6.11.1
184.	-	Construction Power/ Electricity and Fuel Charges	We hereby request you to kindly confirm the 1) Power Rate per unit 2) Rate per KVA per month	Power rate per Unit and Rate per KVA per Month are mentioned in Tender document.
185.	11 of Revised Technical Bid	Period of completion : 12 Months (Construction period) + 6 Months (Trail Commissioning period) and 60 Months (O&M period)	Please confirm whether 6 Months trail period will be reimbursed / per no	No, 6 Months trail period will not be reimbursed

186.	-	Technical - General	Please confirm the power availability from the 22 KV substation to the plant transformer. Also, clarify who is responsible for the overhead HT wiring. Here Dog conductor and insulators will be required and approval from electricity board	Power availability was directed by the nearby substation of VOCPA. Power cable, conductor and insulators & approval from CEA all are under bidder's scope. Overhead HT lines are not allowed in the premises. UG cable should be permitted for power supply.
187.	-	Technical - General	Please confirm if there are any specific sea regulations for this location. Also, confirm whether any approval needs to be obtained from CRA.	Bidders needs to verify the same.
188.	-	Technical - General	Please advise on how to dispose the removed waste material during area dressing or levelling.	"DBO" model and Ref sl. No 22
189.	-	Technical - General	Kindly provide Geo Technical Survey Report alongwith Soil bearing capacity and soil resistivity	Refer Sl.No.22
190.	-	Technical - General	With reference to Operation & Maintenance cost , please let us know the revised billing breakup to be filled for 5 years (fixed cost,	Refer to the Revised BOQ.

			variable cost and NPV factor). Also provide rate per unit and KVA rates to be considered	
191.	7 of Revised Technical Bid	In the INDEX -2.4 Design of 5 MLD Desalination Plant on Site Areas for Other uses	Kindly confirm the capacity as 3 MLD	The Capacity of the Desalination is 3 MLD
192.	175 of Revised Technical Bid	FORM-IX-In the pre-bid pre-contract Agreement is has been mentioned as "Establishment of 5 MLD Desalination Plant based on Sea Water Reverse Osmosis at V.O.C Port Authority, Tuticorin on Design, Build, Finance, Operate and Transfer (DBFOT) Basis"	Kindly confirm the capacity as 3 MLD	Refer Sl.No.26
193.	109 of Revised Technical Bid	The contract includes operation and maintenance of entire 3 MLD permeate Sea Water Reverse Osmosis Desalination Plant(SWRO) for a period of 5 Years (60 Months) after successful completion of trial run , commissioning and demonstration of performance guarantee and Reliability test.	The contract includes the operation and maintenance of the entire 3 MLD permeate Sea Water Reverse Osmosis (SWRO) followed by Brackish Water Reverse Osmosis (BWRO) Desalination Plant for a period of 5 Years (60 Months) after successful completion of the trial run, commissioning, and demonstration of performance guarantee and reliability test.	Tender Condition Prevails.
194.	General	Revised BOQ	Kindly confirm, do we need to fill the rates in Revised Item Rate BOQ (PDF File). Also let us know whether the tariff per unit in INR to	Refer Sl.No.87

			<p>be considered as Rs.11.38.</p> <p>Earlier you have provided Detailed Price Schedule B - Bill of Quantities, do we need to consider and upload it along with the above Revised Item Rate BOQ. Please confirm.</p> <p>As you have changes the O & M period as 5 years request to share the revised BOQ_244249 (Excel File)</p>	
195.	General	Bid submission	There is short duration after prebid meeting , and lesser working days in month of Feb, we request to extend bid submission up to third week of March 2025	Refer Corrigendum V.
196.	<p>Clause No. 3 Minimum Qualifying Criteria: Sub Clause b) Financial Position: Point (B) on page no 13 of Tender Document</p>	<p>(B) If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture /consortium and the lead partner should meet not less than 40 % of the qualifying criteria and other partners should meet individually not less than 26% of qualifying criteria and all the partners should collectively meet 100% of qualifying criteria</p>	<p>We understand that this requirement by Lead partner to meet at least 40% of the qualifying criteria is applicable only for five points of Point B on Page No 13 of Tender Notice.</p>	Refer Corrigendum VI.

197.	<p>Clause No. 3 Minimum Qualifying Criteria: Sub Clause b) Financial Position: Point (B) on page no 13 of Tender Notice</p>	<p>If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture / consortium and the lead partner should meet not less than 40 % of the qualifying criteria and other partners should meet individually not less than 26% of qualifying criteria and all the partners should collectively meet 100% of qualifying criteria.</p>	<p>We understand that “Qualifying criteria” has been written mistakenly in place of “Estimated Cost”.</p> <p>We request you to delete these lines as five points of this clause already explain the requirements from Lead and other partners descriptively and these lines only creates the confusion.</p>	Refer Corrigendum VI.
198.	<p>Clause No. 3 Minimum Qualifying Criteria: a) Work Experience on Page No 12 of Revised Tender Document.</p>	<p>Work Experience: The tenderer should have successfully completed works as detailed below during the last Seven years ending upto 31.01.2025 fulfilling the following conditions: -</p> <ol style="list-style-type: none"> 1. The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending upto 31.01.2025, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 2.4 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period 	<p>We Understand that any one of the JV partners can meet this criterion. Please confirm.</p>	Refer Corrigendum VI.

		<p>the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.</p> <p>and</p> <p>2. The bidder or any one member of the Joint Venture/Consortium should have the experience of Operation & Maintenance of at least one number of Sea Water Desalination Plant, based on Reverse Osmosis process with a plant production capacity of minimum 2.4 MLD for a minimum period of two years during 7 years ending upto 31.01.2025.</p> <p>and</p> <p>3.</p> <p>The bidder who qualifies for above criteria (1) and (2) but not having specific experience in Intake and out fall can subcontract the same and submit their sub-contractor Experience, Capability and MOM along with Bid.</p>		
199.	Point No 7 of Tender Notice Table on page no 11	Earnest Money Deposit (EMD) Rs.1,14,00,000/- (Rupees One Crore Fourteen Lakhs Only) Mode of payment as under:	We request you to please allow bidder to submit entire EMD in the form of Bank Guarantee.	Tender Condition prevails.

	of Revised Tender Document	<input type="checkbox"/> Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFT payable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil Nadu State, India. (Account details given in Cl.2.1.2 of Tender document). <input type="checkbox"/> Rs.67,44,098/- (Rupees Eighty Nine Lakhs Only) in the form of irrevocable Bank Guarantee from any Nationalised Bank / Scheduled Bank or Non Nationalised / Scheduled Bank having its branch at Tuticorin / Chennai in prescribed Performa attached along with Tender Document.		
200.	General	Bid submission date	We request to extend the deadline for the submission of the bid by two weeks	Refer Corrigendum VI.
201.		EMD & PQ Relaxation for MSMEs:	As an MSME, we request an exemption from the Earnest Money Deposit (EMD) and some relaxation in the Pre-Qualification (PQ) criteria. Kindly confirm if this can be considered.	Tender Condition prevails.
202.		Approved Vendor List Modification:	Approved Vendor List Modification: Given the current market conditions, can the approved vendor list be revised to accommodate more suitable vendors,	Tender Condition Prevails.

			particularly those under the “Make in India” initiative?	
203.		Power & Water Availability:	Please confirm if a 22 kV cable and power & water connections will be provided at the site or a nearby area for construction and operation.	Refer sl.no 19 & 22
204.		Site Reports Availability:	Kindly share all relevant reports, including CRZ Clearance, Bathymetry, and Soil Investigation reports , to help us assess the project site conditions.	Refer Sl.No. 06 & 22
205.		Subcontractor Exclusivity:	We request clarification on subcontractor exclusivity, as subcontractors may work with multiple contractors on similar projects. Please confirm if exclusivity is mandatory., especially for Intake/ outfall	Bid condition confirmed.
206.		Pump Selection Flexibility:	Can the pump type (centrifugal, horizontal, vertical, or self-priming) be chosen based on project requirements rather than a predefined specification?	“DBO model and Refer sl no 22
207.		Material Substitution:	Wherever applicable, can HDPE/GRP/ MSFRP be used as a replacement for Super Duplex	Agitators and dosing tanks only may be use for HDPE/GRP/ MSFRP

			Stainless Steel in components such as agitators and dosing tanks etc.,?	
208.		Tender Requirement Correction:	The tender document mentions 5 MLD in some sections, whereas the project is for 3.0MLD. Kindly confirm the correct requirement. Also, based on this, Intake flow requirement need to be changed.	The tender is called for establishing 3 MLD desalination plant based on reverse osmosis process and Operation & Maintenance for 5 years.
209.		DBO Contract Design Flexibility:	Since this is a Design, Build, and Operate (DBO) contract, can we guarantee only the quantity and quality of output, while making minor design alterations to incorporate the latest technology?	No deviation in scope of work and technology
210.		Construction Timeline & LD Clauses:	Given potential procurement challenges, can there be flexibility in project timelines? Also, please clarify if LD (Liquidated Damages) is applicable to all components or only on key deliverables.	Tender Condition prevails.
211.		Storage & Working Space Availability:	Will there be designated space at the site for material storage, pre-assembly, and temporary office setup during construction?	The contractor will be allowed to work in the area adjacent to the site of works without interruption with the work of the other contractors. He shall locate his offices and other

				<p>working areas for storage of plant and equipment and his site workshop in such a way that they do not interfere with the working of the other contractors. The location area and the plan of such structures must be got approved by the Engineer –in-Charge. No ground rent will be charged for the area occupied for the above use, But these buildings are not to be used for residential purpose. The port shall cancel the allotment of land after due completion and handing over of the work to the port in the specified manner or as soon as final bill is claimed whichever is earlier and the contractor shall vacate the site within a month's time there from; failing which he will have to pay the rental for the area of land occupied by him at the rate fixed.</p>
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				However in such cases the port reserves the power to take over the land under intimation by a notice to the contractor.
212.		Warranty & O&M Terms:	Clarify the warranty period and operational responsibility post-handover. Will there be any flexibility in O&M obligations based on local conditions and plant performance?	No flexibility
213.		Environmental & Safety Compliance:	Are there any specific local environmental or safety compliance requirements beyond standard industry norms that we should adhere to?	Refer Key performance indicator / penalty clauses for ESMP
214.		Intake and Outfall works:	which require specialized marine engineering expertise, and international subcontractors will be involved, additional times required for coordination, vendor approvals, and technical bid preparation. To ensure a well-prepared and competitive bid, we kindly request a30-day extension beyond the current submission deadline. This will allow sufficient time to evaluate all design and execution aspects in alignment with project requirements.	Refer Corrigendum V.

215.		Financial turnover criteria:	As per the current requirement, it is understood that the average turnover over the specified years will be considered. We would like to request whether, as a financial flexibility measure, the highest turnover recorded in any one of the last three financial years can be considered instead of the average turnover. Allowing the highest turnover value to be taken into account would provide greater flexibility for firms with fluctuating revenue patterns while still demonstrating financial strength and capability to execute the project.	Refer Corrigendum VI.
216.		Lead partner in a joint venture(JV)/consortium	As per the tender conditions, the lead partner is required to meet minimum percentage of financial turnover and technical qualification. We request consideration for relaxation in the lead partner's financial eligibility, allowing the combined strength of all JV/consortium members to be considered instead. This will help in forming a strong and capable consortium for executing the project efficiently.	Refer Corrigendum VI.

217.			Revised NIT now pointedly requires SWRO of 3MLD capacity.	3 MLD capacity
218.			The O&M period required has been increased to 5 years	5 years O&M
219.		NIT 3 (a)(3)	Clause requires MOM with sub-contractor for intake and out fall system at the time of bidding itself. It is requested that the requirement for MOU may be shifted to post award but before award of work to sub-contractor	Refer Corrigendum VI.
220.			With the cancellation of earlier NIT and issue of fresh NIT, BOQ, Design. List of equipment mentioned in earlier NIT stands cancelled. A bidder can now propose its' own design and scheme of things	Refer Sl.No.10
221.			Current NIT contains three schematic drawings. These are General Arrangement and indicative. Bidder shall incorporate and provide equipment, civil structure according to its' proposed design	Process flow and scope will be same.

222.			Sizing and capacity of the equipment and civil structure shall be worked out by the bidder as per its' design parameters.	DBO model and Refer sl no 22
223.		Annexure -Drawing	The General Arrangement Layout has added point No. 21,22,37, 38 etc.	Refer Reply for 221
224.			What is the status of items mentioned in GA Drawings listing 41items? Many items may not be required as per our design or operating philosophy	Refer Reply for 221
225.			Construction water & power availability at site	During Construction, the contractor made necessary arrangements to take water & Power from nearest junctions. The cost and necessary payment will be borne by the contractor.
226.			Site office and Labour accommodation availability	Refer Sl.No. 211. The Contractor shall be permitted to use up to 5 Acres of Port Land for Construction of 3 MLD desalination plant. 20,234 Sqm – 5 Acres Sqm of the Portland within 5km lead for the purpose of laying

				<p>out his work yard (Pre-casting works etc.), offices, stores, etc. to the extent required to be decided by the Engineer.</p> <p>The Contractor, however, shall fix all electrical, water supply and drainage installation, as per existing local Regulations and pay charges for consumption of electrical energy and water as levied by the Port from time to time.</p>
227.			Site condition, Ground levels, mean sea level, FFL, if any filling requiredetc.	Refer Reply to Sl.No.22
228.			In the exercise of evaluation of tender bids amongst the bidders, whether there will be any provision to give positive/negative weightage or points with respect to Forex components.	No, The bid cost to be submitted in INR only.
229.			Who is supposed to take Environmental and TNEI approvals /clearances	Port obtained CRZ clearance for the Project. The Contractor shall be responsible to obtain all clearances including Consent to Establish and consent to operate in compliance

				with the requirement from Tamilnadu Pollution Control Board (TNPCB) and clearance from statutory agencies if any.
230.			CRZ Clearance covers what all clearances	Refer Sl.No.06
231.			Which Pollution Control Board has authority to give approval in ourcase? TNPCB or CPCB.	Tamilnadu Pollution Control Board has authority to grant CTE & CTO.
232.			Any provision to give positive or negative weightage for imported /local components in evaluation of tender bids. If yes, then how?	No provision for giving any weightage for imported /local components during evaluation.
233.			JV with Foreign firm allowed?	Refer Corrigendum VI.
234.			JV / MOU with BARC / any Indian Institute with technical experience of running 3 MLD or more of sea water desalination projects will bellowed?	Refer eligibility clause
235.	General	Land Acquisition	Kindly please clarify the Land acquisition status for the project 1> Total Land required for the project 2> Extent of government and private land to be acquired 3> Land already acquired by the employer	The Contractor shall be permitted to use up to 5 Acres of Port Land for Construction of 3 MLD desalination plant. 20,234 Sqm – 5 Acres Sqm of the Portland within 5km lead for the purpose of laying

			4> Balance land yet to be acquired by employer and its present status	out his work yard (Pre-casting works etc.), offices, stores, etc. to the extent required to be decided by the Engineer.
236.	General	Geotechnical Investigation Report	We request you to provide the geotechnical investigation report for foundation work	Refer Sl.No.22
237.	Techbidrevised / Appendix to Tender/ Page no 31	Percentage of retention - 5%	We request you to take upfront 5% Bank guarantee instead of cash retention.	Tender Condition prevails.
238.	General	Mobilization Advance	Due to capex requirement & establishment of site, we request you to kindly please consider Advance Payment equal to 20% of the Accepted Contract Value to ease cash flow.	Tender Condition prevails.
239.	Techbidrevised / Appendix to Tender/ Page no 32	Liquidated Damages	We request you to consider Liquidated Damages shall be 0.25% of Construction contract value per week & subject to maximum of 5% of tendered Construction Contract value	Tender Condition prevails.
240.	Techbidrevised / Appendix to Tender/ Page no 32	Completion Time	As lot of activity involves like Construction of outfall structure, Intake structure, civil work etc. Please consider completion period is 18months' duration instead of 12 Months.	Tender Condition prevails.

			Also make escalation provision during design period.	
241.	Techbidrevised	Trial Run	We request you to consider 2 months' trial run period instead of 6months trial run Period. Also request you make the payment provision for trial run.	Tender Condition prevails.
242.	Techbidrevised / Appendix to Tender/ Page no 32	Operation & Maintenance	In Appendix to tender, O& M period is mentioned as 36 months. Please clarify whether it shall 60 months or 36 Months.	Refer Sl.No119,120 & 121
243.	VOLUME II – TECHNICAL SPECIFICATIONS, Page14	Key Project Components The seawater intake system comprises of: • Off-shore intake structure with screen	Off-shore intake screen - at one place mentioned as "Passive intake screen" and at another place mentioned as "GRP screen with 100 mm openings". There is discrepancy in type of Off-shore intake screen. Please confirm the type of off-shore intake screen and also provides the design specifications for the same.	DBO model and refer sl.no 22
244.	VOLUME II – TECHNICAL SPECIFICATIONS, Page16	Key Project Components Active Screens before the Sea Water Pumps The intake pipe shall be connected to the onshore inlet chamber and then to intake fore bay through two no's inlet channels (1W+1S). Each channel has one number	Off-shore Passive intake screen is already provided at inlet of seawater intake pipe. Then there is no need to provide TRAVELLING WATER SCREENS in onshore inlet channels before the Sea Water Pumps. Only Trash rack	DBO model and refer sl.no 22

		of Trash rack and travelling water screen installed to remove debris,	in Each channel is sufficient. Please allow the respective bidders to design accordingly.	
245.	VOLUME II – TECHNICAL SPECIFICATIONS, Table 9.0, Page20	Sea Water Intake Pumps Design Parameters Discharge pressure (kg/cm2.g) - 3.0	We presume Design pressure of Sea Water Intake Pumps is 3.0 (kg/cm2.g). Please confirm.	DBO model and refer sl.no 22
246.	VOLUME II – TECHNICAL SPECIFICATIONS, Page 36	Reverse Osmosis PlantRO Membrane and Permeate Recovery The plant design recovery shall be as per below minimum requirement,SWRO – 46%BWRO - 90%	We request please allow the RO Membrane and Permeate Recovery for SWRO & BWRO as per membrane suppliers/manufacturers recommendations to meet the overall plan output capacity.	DBO model and refer sl.no 22 / CRZ approved quantity shall be followed
247.	VOLUME II – TECHNICAL SPECIFICATIONS, Page 36	Reverse Osmosis Plant The average flux suggested for SWRO and BWRO membranes shall be of approximately 17 L/m2/hour (LMH) and 24 L/m2/hour (LMH) respectively.	We request please allow the average flux for SWRO and BWRO membranes as per membrane suppliers/manufacturers recommendations to meet the overall plan output capacity.	DBO model and refer sl.no 22 / CRZ approved quantity shall be followed
248.	VOLUME II – TECHNICAL SPECIFICATIONS, Page 100	Emergency power generation One emergency diesel generator (EDG) set shall be provided. The EDG shall be mounted in an outdoor soundproof metallic canopy with anti-vibration supports and a high grade exhaust silencer. It shall be	Please provide the power rating (KVA) of emergency diesel generator (EDG).	Refer Sl.No.22.

		designed for 24 hours continuous operation and maximum 250 hours operation per year.		
249.	NIT /Earnest Money Deposit (EMD) based on final project cost	<p>Earnest Money Deposit (EMD) based on final project cost :</p> <p>Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand NinetyEight Only)Mode of payment as under:</p> <ul style="list-style-type: none"> • Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFTpayable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil NaduState, India. (Account details given in Cl.2.1.2 of Tender document). • Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four ThousandNinety Eight Only) in the form of irrevocable Bank Guarantee fromany Nationalised Bank / Scheduled Bank or Non Nationalised /Scheduled Bank having its branch at Tuticorin / Chennai inprescribed Performa attached along with Tender Document. 	As per our understanding, in the case of a Joint Venture bid, the Earnest Money Deposit (EMD) can be submitted by the Lead Member of the Joint Venture. Kindly confirm our understanding.	The EMD should be submitted by the Lead Member.
250.	NIT /Earnest Money Deposit	Earnest Money Deposit (EMD) based on final project cost:	In the online portal, the Value of Earnest Money (EMD) i.e. Rs1,14,00,000 and Name	As per the revised NIT, the bidder can remit the EMD amount.

	(EMD) based on final project cost	<p>Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand NinetyEight Only)</p> <p>Mode of payment as under:</p> <ul style="list-style-type: none"> • Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFTpayable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil NaduState, India. (Account details given in Cl.2.1.2 of Tender document). • Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four ThousandNinety Eight Only) in the form of irrevocable Bank Guarantee fromany Nationalised Bank / Scheduled Bank or Non Nationalised /Scheduled Bank having its branch at Tuticorin / Chennai inprescribed Performa attached along with Tender Document. 	<p>of the Project have not been updated as perCorrigendum-3.</p> <p>We kindly request you to modify Name of the Project and the EMD amount to Rs.67,44,098/- (Rupees Sixty-Seven Lakhs Forty-Four Thousand Ninety-Eight Only).</p> <p>This update will enable bidders to upload the EMD in form of BankGuarantee and RTGS receipt of Rs. 25 Lakhs under the exemption option of the online portal.</p>	Tender Condition prevails.
251.	RevisedTechnicbid / Cl no.6.2.Earnest Money Deposit /Pg No.39-40	The tenders shall be accompanied by Earnest Money Depositamounting to Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty FourThousand Ninety Eight Only)out of which Rs.25 Lakhs (Rupees TwentyFive lakhs)shall be paid in the form of RTGS/NEFT payable toV.O.Chidambaranar Port, Tuticorin, Tamil Nadu State, India andbalance amount of Rs. 67,44,098	As per the referred clause, the Bank Guarantee should be sent by the issuing bank to the authority via Registered Post (A.D). However, this practice is generally not followed by banks, as they are often reluctant to send Bank Guarantees directly to the client.	The BG copy or direct intimation from Bank should reach with in 5 days of submission of Technical Bid.

		<p>/- (Rupees Sixty Seven Lakhs FortyFour Thousand Ninety Eight Only) in the form of irrevocable bankguarantee in verbatim to the specimen enclosed. (Annexure-A) fromany Nationalised Bank / Scheduled Bank or Non Nationalised /Scheduled Bank having its branch at Tuticorin. The Bank Guaranteeshould be sent to the Port directly by the issuing bank under Registered Post (A.D). The original Bank Guarantee should reach within five days from the date of opening of technical bid. However, the copy of Bank Guarantee should be uploaded along with the tender document by the bidder while uploading though e-tender. The tender will not be considered without EMD.</p>	<p>In line with the general practice followed by other authorities, the Bank Guarantee is typically submitted by the bidder.</p> <p>Considering the above facts, we request the authority to kindly modify the clause and allow bidders to submit the EMD Bank Guarantee in person or through Registered Post (A.D).</p> <p>Kindly consider and confirm.</p>	
252.	RevisedTechnicbid / Cl no.3 (B)/Pg No. 13	<p>(B) If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture/consortium and the lead partner should meet not less than 40 % of the qualifying criteria and other partners should meet individually not less than 26% ofqualifying criteria and all the partners should collectively meet 100%</p>	<p>We request the authority to confirm the minimum shareholding requirements for the Lead Member and Other Members in the case of a Joint Venture/Consortium.</p>	Refer Corrigendum VI.

		of qualifying criteria, also consortium members / subcontractors are allowed from other country.		
253.	3 (a) (1)	The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending upto 30.01.2025, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 2.4 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.	The Pre-Qualification criteria is very stringent and if it is not modified as per CVC norms and industry practice, competition would get curbed (a copy of CVC guidelines enclosed for your information). Hence, it is requested to modify the Pre-Qualification criteria as below in line with CVC guidelines: The Bidder or any one partner of the Joint Venture/Consortium , should have successfully completed and commissioned similar works during the last 07 years ending up to 30.01.2025 mentioned below: i. Three Similar work of each capacity are equal to 40% of Project capacity. Or ii. Two Similar work of each capacity are equal to 50% of Project capacity. Or iii. One Similar work of each capacity is equal to 80% of Project capacity.	Refer Corrigendum VI.

			<p>Definition of Similar Work: “Similar Work” shall mean the Design, Construction, Erection, Testing, and Commissioning of Plant based on the Reverse Osmosis (RO) process, which has been in successful operation for a minimum period of two years.</p> <p>We believe that adopting this experience criterion will ensure fair competition while maintaining the required technical expertise for the project. We request your kind consideration and look forward to your positive response.</p> <p>Please confirm.</p>	
254.	3 (a) (3)	The bidder who qualifies for above criteria (1) and (2) but not having specific experience in Intake and out fall can subcontract the same and submit their sub-contractor Experience, Capability and MOM along with Bid.	<p>Please allow experience of river water/fresh water intake structure.</p> <p>Please confirm.</p>	Refer Corrigendum VI.

255.	3 (b) (A) (ii)	Should have completed a single work in the Water supply sector having updated either fully completed or substantially completed (i.e. 80% of the estimate cost) of cost not less than Rs. 53,95,27,776/- during last 7 years on DBO/Turnkey basis.	In view of the earlier published tender of 5 MLD Desalination Plant invited by V.O. Chidambarnar Port, in the qualification criteria, the experience of the Sewerage Sector was accepted. Now, the qualification criteria are very stringent and restrictive. Hence, to have healthy competition it is requested to consider the experience of the Sewerage Sector in addition to the Water supply sector. Please confirm.	Refer Corrigendum VI.
256.	3 (b) (B)	If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture/consortium and the lead partner should meet not less than 40 % of the qualifying criteria...	We presume that the said criteria are applicable only to the Financial Qualification mentioned under Cl. No. 3 (b) and not for the Work Experience mentioned under Cl. No. 3 (a). Kindly Confirm.	Refer Corrigendum VI.
257.	3 (b) (B) (iii)	The Lead Partner or any one member of the JV/Consortium should have completed a single work in the Water supply sector having updated either fully completed or substantially completed (i.e. 40% of the	In view of the earlier published tender of 5 MLD Desalination Plant invited by V.O. Chidambaranar Port, in the qualification criteria, the experience of the Sewerage Sector was accepted. Now, the qualification criteria	Refer Corrigendum VI.

		estimate cost) of cost not less than Rs. 26,97,63,888/- during last 7 years on DBO/Turnkey basis.	are very stringent and restrictive. Hence, to have healthy competition it is requested to consider the experience of the Sewerage Sector in addition to the Water supply sector. Please confirm.	
258.	General	Bid Submission	Looking at the volume of work involved in the tender, we request to extend the date of submission by at least 3-4 weeks after receipt of the reply to our queries.	Refer Corrigendum V.
259.	3. MINIMUM QUALIFYING CRITERIA: Note / ii/ Page no. 13	ii. If the work completion certificate furnished is from other than Govt. Departments by the bidder to fulfill the requirement of MQC, the same shall be supported with TDS certificate (FORM-16A) issued by the department where the work was executed for full executed amount of the work otherwise such work experience shall not be considered.	Request authority to modify clause as under - ii. If the work completion certificate furnished is from other than Govt. Departments by the bidder to fulfill the requirement of MQC, the same shall be supported with TDS certificate (FORM-16A) / FORM 26AS issued by the department	Refer Corrigendum VI.

			where the work was executed for full executed amount of the work otherwise such work experience shall not be considered.	
260.	NIT /Earnest Money Deposit (EMD) based on final project cost	<p>Earnest Money Deposit (EMD) based on final project cost :Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand Ninety Eight Only)</p> <p>Mode of payment as under:</p> <ul style="list-style-type: none"> • Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFT payable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil Nadu State, India. (Account details given in Cl.2.1.2 of Tender document). • Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four Thousand Ninety Eight Only)in the form of irrevocable Bank Guarantee from any Nationalized Bank / Scheduled Bank or Non Nationalized / Scheduled Bank having its branch at Tuticorin / Chennai in prescribed Performa attached along with Tender Document. 	<p>As per the recent circular issued by the Jal Shakti Ministry, Insurance Surety Bonds are accepted as Earnest Money Deposit (Bid Security), Performance Security, and Security against mobilization advance (Circular enclosed as Annexure-1).</p> <p>Accordingly, we request the authority to accept Insurance Surety Bonds for Earnest Money Deposit (Bid Security) and Performance Security (specimen format enclosed as Annexure-2).</p> <p>Kindly consider and confirm.</p>	Tender Condition prevails.
261.	NIT /Earnest Money Deposit (EMD) based on final project cost	Earnest Money Deposit (EMD) based on final project cost :Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand Ninety Eight Only)	As per our understanding, in the case of a Joint Venture bid, the Earnest Money	Refer Sl.No.249

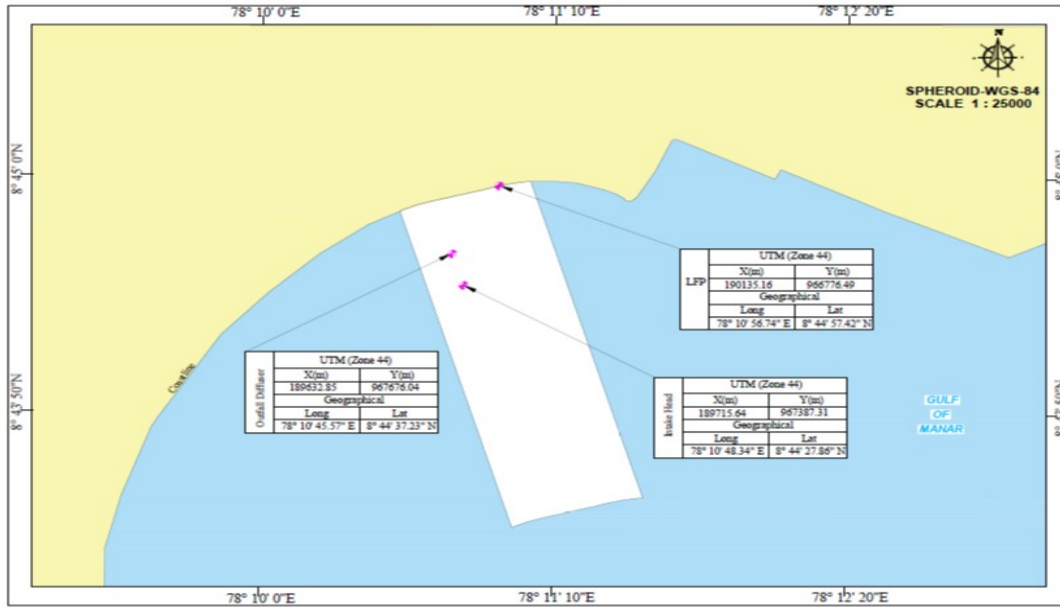
		<p>Mode of payment as under:</p> <ul style="list-style-type: none"> • Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFT payable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil Nadu State, India. (Account details given in Cl.2.1.2 of Tender document). • Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four Thousand Ninety Eight Only) in the form of irrevocable Bank Guarantee from any Nationalized Bank /Scheduled Bank or Non Nationalized / Scheduled Bank having its branch Tuticorin / Chennai in prescribed Performa Attached along with Tender Document. 	<p>Deposit (EMD) can be submitted by the Lead Member of the Joint Venture.</p> <p>Kindly confirm our understanding.</p>	
262.	NIT /Earnest Money Deposit (EMD) based on final project cost	<p>Earnest Money Deposit (EMD) based on final project cost :</p> <p>Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand Ninety Eight Only)</p> <p>Mode of payment as under:</p> <ul style="list-style-type: none"> • Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFT payable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil Nadu State, India. (Account details given in Cl.2.1.2 of Tender document). 	<p>In the online portal, the Value of Earnest Money (EMD) i.e. Rs 1,14,00,000 and Name of the Project have not been updated as per Corrigendum-3.</p> <p>We kindly request you to modify Name of the Project and the EMD amount to Rs. 67,44,098/- (Rupees Sixty-Seven Lakhs Forty-Four Thousand Ninety-Eight Only).</p>	As per the revised NIT, the bidder can remit the EMD amount.

		<p>• Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four Thousand Ninety Eight Only) in the form of irrevocable Bank Guarantee from any Nationalised Bank /Scheduled Bank or Non Nationalised / Scheduled Bank having its branch at Tuticorin / Chennai in prescribed Performa attached along with Tender Document.</p>	<p>This update will enable bidders to upload the EMD in form of Bank Guarantee and RTGS receipt of Rs. 25 Lakhs under the exemption option of the online portal.</p>	
263.	RevisedTechnicbid / Cl no.6.2. Earnest Money Deposit /Pg No. 39-40	<p>The tenders shall be accompanied by Earnest Money Deposit amounting to Rs.92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand Ninety Eight Only)out of which Rs.25 Lakhs (Rupees Twenty Five lakhs) shall be paid in the form of RTGS/NEFT payable to V.O.Chidambaranar Port, Tuticorin, Tamil Nadu State, India</p> <p>and balance amount of Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four Thousand Ninety Eight Only) in the form of irrevocable bank guarantee in verbatim to the specimen enclosed. (Annexure-A) from any Nationalised Bank / Scheduled Bank or Non Nationalised / Scheduled Bank having its branch at Tuticorin. The Bank</p>	<p>As per the referred clause, the Bank Guarantee should be sent by the issuing bank to the authority via Registered Post (A.D). However, this practice is generally not followed by banks, as they are often reluctant to send Bank Guarantees directly tothe client.</p> <p>In line with the general practice followed by other authorities, the Bank Guarantee is typically submitted by the bidder.</p> <p>Considering the above facts, we request the authority to kindly modify the clause and allow bidders to submit the EMD Bank Guarantee in person or through</p>	<p>The BG copy or direct intimation from Bank should reach with in 5 days of submission of Technical Bid.</p>

		<p>Guarantee should be sent to the Port directly by the issuing bank under Registered Post (A.D). The original Bank Guarantee should reach within five days from the date of opening of technical bid. However, the copy of Bank Guarantee should be uploaded along with the tender document by the bidder while uploading through e-tender. The tender will not be considered without EMD.</p>	<p>Registered Post (A.D).</p> <p>Kindly consider and confirm.</p>	
264.	Revised Technical bid / Cl no.3 (B) /Pg No. 13	<p>(B) If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture/consortium and the lead partner should meet not less than 40 % of the qualifying criteria and other partners should meet individually not less than 26% of qualifying criteria and all the partners should collectively meet 100% of qualifying criteria, also consortium members / subcontractors are allowed from other country.</p>	<p>We request the authority to confirm the minimum shareholding requirements for the Lead Member and Other Members in the case of a Joint Venture/Consortium.</p>	Refer Corrigendum VI.

ANNEXURE

INTAKE AND OUTFALL



Location	Latitude, N	Longitude, E	X (m)	Y (m)
	LFP	78°10'56.74" E	8°44'57.42" N	190135.16
Intake head Dist. = 1250m Depth = 3.8 m CD	78°10'48.34" E	8°44'27.86" N	189715.64	967387.31
Outfall diffuser Dist. = 1050m Depth = 3.5 m CD	78°10'45.57" E	8°44'37.23" N	189632.85	967676.04

INTEGRITY PACT BETWEEN
V.O.CHIDAMBARANAR PORT AUTHORITY (VPA) hereinafter
referred to as "**The Principal**" AND

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ____ day of the _____ (month and year) between, on one hand, the President of India, acting through Shri _____, [designation of the officer], V.O.Chidambaranar Port Authority, Government of India (hereinafter called the "PORT", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/S _____ represented by Shri _____, (hereinafter called the "BIDDER/Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the PORT proposes to execute the work "Establishment of 3 MLD Desalination Plant based on sea water reverse osmosis at V.O.Chidambaranar Port and Operation and Maintenance for 5 Years on DBO Mode" and the BIDDER/Seller is willing to offer/has offered the stores and

WHEREAS the BIDDER is a natural person, private entity, or any combination of them, constituted in accordance with the relevant law in the matter and the PORT is a Ministry of the Government of India performing its functions on behalf of the President of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract entered into with a view to:

Enabling the PORT to obtain the desired said work at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from

bribing and other corrupt practices and the PORT will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereby agree to enter into this Integrity Pact and agree as follows:

Commitments of the PORT

1.1. The PORT undertakes that no official of the PORT, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2. The PORT will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.

1.3. All the officials of the PORT will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the PORT with full and verifiable facts and the same is prima facie found to be correct by the PORT, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the PORT and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the PORT the proceedings under the contract would not be stalled.

Commitments of BIDDERS

3. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

3.1. The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Port, connected directly or indirectly with the

bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

3.2. The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the PORT or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.

3.3. BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

3.4. BIDDERS shall disclose the payments to be made by them to agents/ brokers or any other intermediary, in connection with this bid/contract.

3.5. The BIDDER further confirms and declares to the PORT that the BIDDER is the original manufacturer / integrator / authorized government sponsored export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the PORT or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

3.6. The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the PORT or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

3.7. The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.8. The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.9. The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the PORT as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.10. The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.11. The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.12. If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the PORT, or alternatively, if any relative of an officer of the PORT has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act, 1956.

3.13. The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the PORT.

4. Previous Transgression

4.1. The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.

4.2. The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Bid Security:

5.1. While submitting commercial bid, the tenderer shall furnish a Bid Security of **Rs. _____** /- (Rupees)in accordance with the provisions of this RFP. The Bidder has the option to provide the Bid Security either as a Demand Draft or in the form of a Bank Guarantee (including e-bank guarantee) acceptable to the Authority, as per format at Appendix–II.

5.2. The Bid Security / Performance Security shall be valid upto a period of five years

or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the PORT, including warranty period, whichever is later.

5.3. In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the PORT to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.4. No interest shall be payable by the PORT to the BIDDER on Bid Security / Performance Security for the period of its currency.

6. Sanctions for Violations

6.1. Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the PORT to take all or any one of the following actions, wherever required:

(i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

(ii) The Bid Security (in pre-contract stage) shall be imposed and / or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the PORT and the PORT shall not be required to assign any reason therefor.

(iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

(iv) To recover all sums already paid by the PORT, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the PORT in connection with any other contract for any other stores, such outstanding payment could also be utilised to recover the aforesaid sum and interest.

(v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the PORT, along with interest.

(vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the PORT resulting from such cancellation/rescission and the PORT shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

(vii) To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which may be further extended at the discretion of the PORT.

(viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

(ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the PORT with the BIDDER, the same shall not be opened.

(x) Forfeiture of Performance Bond in case of a decision by the PORT to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2. The PORT will be entitled to take all or any of the actions mentioned at para 6.1 (i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860, or Prevention of Corruption Act, 1988, or any other statute enacted for prevention of corruption.

6.3. The decision of the PORT to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

7.1. The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry / Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub system was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the PORT, if the contract has already been concluded.

8. Independent Monitors

8.1. There shall be Independent Monitors (hereinafter referred to as Monitors) appointed by the PORT for this Pact in consultation with the Central Vigilance Commission. The Independent External Monitors appointed by Port are as follows:

1. Shri Trivikram Nath Tiwari, ILS Rtd,
301-B, Black – 3B, HIG DDA Flats,
Rani Jhansi Road, DDA complex, Moti Khan,
New Delhi-110055
e-mail id: trivikramnt@yahoo.co.in

2. Shri. Hermanprit Singh, IPS, (Redt),
12, Bevedre Road, Alipore,
Kolkata – 700 027.
e-mail id: hermanprit@gmail.com

8.2. The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

8.3. The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

8.4. Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

8.5. As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the PORT.

8.6. The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the PORT including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.

8.7. The PORT will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8. The Monitor will submit a written report to the Foreign Secretary, Ministry of External Affairs, within 8 to 10 weeks from the date of reference or intimation to him by the PORT / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the PORT or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the PORT

11. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. Validity

12.1. The validity of this Integrity Pact shall be from the date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the PORT and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

12.2. Should one or several provisions of this Pact turn out to be invalid, the remainder of this pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at _____ on ____

PORT

BIDDER

Name of the Officer.

CHIEF EXECUTIVE OFFICER

Designation

V.O.Chidambaranar Port Authority

Tuticorin

Witness

Witness

1. _____

2. _____

1. _____

2. _____

ANNEXURE – D

STATEMENT SHOWING THE CONTRACTS EXECUTED BY THE TENDERERS AND OTHER RELATED DOCUMENTS FURNISHED IN TECHNICAL BID.

NIT NO:

Dated

: __. __. 2024

NAME OF THE WORK: “Establishment of 3 MLD Desalination Plant based on sea water reverse osmosis at V.O.Chidambaranar Port and Operation and Maintenance for 5 Years on DBO Mode.”

S L. N O	DOCUMENTS REQUIRED AS PER THE PROVISION IN THE TENDER	Proof of document with page no.	EXPERIENCE DOCUMENTS FURNISHED BY THE TENDERERS																											
1	Cost of Tender Document – Nil																													
2	Rs. 92,44,098 /-(Rupees Ninety Two Lakhs Forty Four Thousand Ninety Eight Only) Mode of payment as under: • Rs.25.00 Lakhs (Rupees Twenty-Five lakhs) in the form of RTGS/NEFT payable to V.O. Chidambaranar Port Authority, Tuticorin, Tamil Nadu State, India. (Account details given in Cl.2.1.2 of Tender document). • Rs. 67,44,098 /- (Rupees Sixty Seven Lakhs Forty Four Thousand Ninety Eight Only) in the form of irrevocable Bank Guarantee from any Nationalised Bank / Scheduled Bank or Non Nationalised / Scheduled Bank having its branch at Tuticorin / Chennai in prescribed Performa attached along with Tender Document.																													
3	<p>a) Work Experience: The tenderer should have successfully completed works as detailed below during the last Seven years ending up to 31.01.2025 fulfilling the following conditions: -</p> <p>1. The bidder or any one partner of the Joint Venture/Consortium, during the last 07 years ending up to 31.01.2025, should have Designed, Constructed, Erected, Tested and Commissioned at least one number of Sea Water Desalination Plant, based on Reverse Osmosis (SWRO) process with a production capacity of minimum 2.4 MLD and the same plant should have been in successful operation for a minimum period of two years and during that period the plant should have been in operation with designed capacity of 3 MLD at least for a minimum period of 3 months.</p>		<table border="1"> <thead> <tr> <th align="center" colspan="9">Details of Individual Similar Work Experience Certificate Issued by the Competent Authority Against The Eligibility Criteria Shall Contain the Following:</th> </tr> <tr> <th align="center">Sl. No</th> <th align="center">Client with address</th> <th align="center">Description of the work order No./Agt. No.</th> <th align="center">Value of contract (Rs.)</th> <th align="center">Executed value of Contract</th> <th align="center">Completion time as stated in the tender (months)</th> <th align="center">Actual completion of time (week)</th> <th align="center">Year of completion</th> <th align="center">Remarks</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Details of Individual Similar Work Experience Certificate Issued by the Competent Authority Against The Eligibility Criteria Shall Contain the Following:									Sl. No	Client with address	Description of the work order No./Agt. No.	Value of contract (Rs.)	Executed value of Contract	Completion time as stated in the tender (months)	Actual completion of time (week)	Year of completion	Remarks									
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	<p>and</p> <p>2. The bidder or any one member of the Joint Venture/Consortium or subcontractor should have the experience of Operation & Maintenance of at least one number of Sea Water Desalination Plant, based on Reverse Osmosis process with a plant production capacity of minimum 2.4 MLD for a minimum period of two years during 7 years ending upto 31.01.2025.</p> <p>and</p> <p>3. The bidder who qualifies for above criteria (1) and (2) but not having specific experience in Intake and out fall can subcontract the same and submit their subcontractor Experience, Capability and MOM along with Bid.</p>										
4	<p>b)</p> <p>i. Average annual Financial Turnover of the Tenderer during last three financial years ending 31st March 2024 (i.e.) 2021-22, 2022-23 & 2023-24 shall be at least Rs.20,23,22,916/- (i.e. 30% of the estimate cost).</p> <p>ii. Should have completed a single work in the Water supply sector having updated either fully completed or substantially completed (i.e. 80% of the estimate cost) of cost not less than Rs.53,95,27,776/- during last 7 years on DBO/Turnkey basis</p> <p>or</p> <p>Two works in the Water supply sector (i.e. 50% of the estimate cost) of not less than Rs. 33,72,04,860/- during last 7 years on DBO/Turnkey basis.</p> <p>or</p> <p>Three works in the Water supply sector (i.e. 40% of the estimate cost) of not less than Rs. 26,97,63,888/- during last 7 years on DBO/Turnkey basis.</p> <p><i>"Water supply System" means "Design, Construction, Erection, Installation, Testing and Commissioning of any type</i></p>		<table border="1" data-bbox="1258 1007 1883 1114"> <thead> <tr> <th data-bbox="1258 1007 1576 1034">Year</th> <th data-bbox="1576 1007 1883 1034">Financial Turn over in Rs.</th> </tr> </thead> <tbody> <tr> <td data-bbox="1258 1034 1576 1061"></td> <td data-bbox="1576 1034 1883 1061"></td> </tr> <tr> <td data-bbox="1258 1061 1576 1088"></td> <td data-bbox="1576 1061 1883 1088"></td> </tr> <tr> <td data-bbox="1258 1088 1576 1114"></td> <td data-bbox="1576 1088 1883 1114"></td> </tr> </tbody> </table>	Year	Financial Turn over in Rs.						
Year	Financial Turn over in Rs.										

of water supply works or Water treatment plant works or any type of desalination Plant works in any Municipal / Industrial Sector / Government agencies / PSU”

- iii. Shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the cash flow requirements estimated as **Rs.13,48,81,944/-** (i.e. 20% of the estimate cost).

(A) If the bidder is a Joint Venture or a Consortium, maximum of three partners are allowed in the Joint venture/consortium and the lead partner should meet not less than 40 % of the qualifying criteria and other partners should meet individually not less than 26% of qualifying criteria and all the partners should collectively meet 100% of qualifying criteria, also consortium members / sub-contractors are allowed from other country. If any Bidder has completed the work prior to submission of Bid, bidder has to submit the JV agreement showing percentage of sharing pattern with attested by Notary. Accordingly proportionate value of the work will be considered for evaluation of work. For legally binding agreement should be jointly & severally liable. After tender submission, change of JV members not allowed.

- i. Average annual Financial Turnover of the Lead Member of the Joint Venture or Consortium during last three financial years ending 31st March 2024 (i.e.) 2021-22, 2022-23 & 2023-24 shall be at least **Rs.26,97,63,888/-** (i.e. 40% of the estimate cost).
- ii. Average annual Financial Turnover of Other members of the Joint Venture or Consortium during last three financial years ending 31st March 2024 (i.e.) 2021-22, 2022-23 & 2023-24 shall be at least **Rs.17,53,46,527/-** (i.e. 26% of the estimate cost).
- iii. The Lead Partner or any one member of the JV/Consortium should have completed a single work in the Water supply sector having updated either fully completed or substantially completed (i.e. 40% of the estimate cost) of cost not less than **Rs. 26,97,63,888/-** during last 7 years on DBO/Turnkey basis.

	iv. Shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the cash flow requirements estimated as Rs.13,48,81,944/- (i.e. 20% of the estimate cost) in proportion of the JV/Consortium.		
	v. All the partners together shall satisfy 100% of the Financial Eligibility criteria given for a single entity.		
5	Latest Assessment of Income Tax Return filed with IT department.		
6	PAN Number		
7	EPF Registration Number		
8	ESI Registration Number		
9	GST Registration No.		
10	TIN Number		
11	Power of Attorney		

Estimate Amount: Rs.67,44,09,720 /-

Name of Bidder :.....

Note:

Only a format in which the information is to be given is indicated above. The contractor shall attach additional sheets to accommodate the necessary information, if required.

Only the document stated above, will be considered for verification. Any other document endorsed but not stated above shall not be considered for evaluation also the above referred document enclosed shall have the realized page no.

POWER OF ATTORNEY
(IN CASE OF JOINT VENTURE / CONSORTIUM)

Know all men by these present that we, ----- and -----
----- (herein after collectively referred to as “ the Joint Venture / Consortium”) hereby appoint
and authorize Ltd. as our Attorney.

Whereas the Board of Trustees of V.O.Chidambaranar Port Authority (hereinafter referred to as
“the Port Authority”) have invited applications from interested parties for “**Establishment of 3
MLD Desalination Plant based on sea water reverse osmosis at V.O.Chidambaranar Port and
Operation and Maintenance for 5 Years on DBO Mode**” (herein after referred as “the Project”).

Whereas the members of the Joint Venture / Consortium are interested in bidding for the project
and execution of the project in accordance with the conditions of Contract and other related
documents.

And whereas, it is necessary under the document for the members of the Joint Venture /
Consortium to appoint and authorize one of them to do all acts, deeds and things in connection
with the aforesaid project.

We hereby nominate and authorize as our Lead member and
constituted attorney in our name and on our behalf to do or execute all or any of the acts or things
in connection with the making an application to the V.O.Chidambaranar Port Authority, to follow
up with the Port Authority and thereafter to do all acts, deeds and things related to the execution
of the project, on our behalf.

And we hereby agree that all the acts, deeds and things done by our said attorney shall be
construed as acts, deeds and things done by us and we undertake to ratify and conform all and
whatsoever that my said attorney shall do or cause to be done for us by virtue of the power
hereby given.

In witness here of we have signed this deed on this the ----- day of -----

For and on behalf of -----
For and on behalf of -----
For and on behalf of -----
For and on behalf of -----

