



شركة قطر الوطنية لصناعة الأسمنت (ش.م.ع.ق.)
QATAR NATIONAL CEMENT COMPANY (Q.P.S.C)

رأس مال الشركة 653,528.940 ريال قطري (مدفوع) The capital of company QAR 653,528.940 (Paid)



Ref.: QNCC/T&PC/23/058

Date: 22/03/2023

TO : ALL THE PARTICIPANTS IN THE PUBLIC TENDER
NO. OF PAGES : 01

REF Public Tender No. 04/23 - Design, Civil, Electrical, Mechanical, Marine Work, Engineering, Manufacturing, Supply, Installation, Inspection Testing, Commissioning, Start Up, Performance Test, Reliability Test, Guarantee to (ISO 14001 & OHSAS 18001) Yearly Operation and Maintenance of "2" SWRO Desalinators, Minimum Production of 1000 M3/day for each and total of 2000 M3/day, Turnkey Project at Owner's Site on Umm Bab Seashore.

SUBJECT TENDER BULLETIN NO. 2 – EXTENSION OF CLOSING DATE & RESPONSES TO QUERIES

With reference to the above mentioned subject and as per the queries received from the participants. Please see attached documents for QNCC responses.

All other tender's terms, conditions and specifications remain unchanged.

Please acknowledge & confirm the receipt of this written notice by signing and returning this page email address: tpc@qatarcement.com.

NAME.....

SIGNATURE & SEAL.....

DATE: / /2023

THANKS & BEST REGARDS,

ENGR. ESSA MOHAMMED ALI KALDARI

Chief Executive Officer,
Deputy Chairman of Tender & Procurement Committee (T&PC)

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Public Tender No. 04/23

Design, Civil, Electrical, Mechanical, Marine Work, Engineering, Manufacturing, Supply, Installation, Inspection Testing, Commissioning, Start Up, Performance Test, Reliability Test, Guarantee to (ISO 14001 & OHSAS 18001) Yearly Operation and Maintenance of "2" SWRO Desalinators, Minimum Production of 1000 M3/day for each and total of 2000 M3/day, Turnkey Project at Owner's Site on Umm Bab Seashore.

Srl. #	Reference to Tender document	Clarifications	QNCC responses
1	Scope of Works - A	If it is consider turnkey project the scope could be improved. Taking into consideration that the permeate water quality is always maintained as requested in the tender?	As per the "General" in the scope of work - the same are merely guidelines. So the scope of work can be improved based on the supplier's design without compromising the final product quality.
2	Scope of Works - B.1	any filtration range to be met? microns. mm?	SDI < 3
3	Scope of Works - B.1	Confirm the location: as mentioned by the engineer on site, it will be as per "our" criteria. If not, we need exact location for wells.	Location as per supplier's design.
4	Scope of Works - B.2	Please let us know if the reject water injection wells should comply Ministry of Environment approvals, Confirm the location: as during the site visit it was mentioned by the engineer on site, it will be as per "our" criteria. If not, we need exact location for well.	Yes, it should comply with ministry of environment and the location can be selected as per the supplier's design.
5	Scope of Works - B.2	EIA for the Ministry of Environment approval will be done by QNCC or is it needed to be done from our side?	EIA should be done by the supplier.
6	Scope of Works - B.2	Please provide any study if available about water levels to understand the depth of needed beach well to inject all rejects and if pump is needed.	Not available
7	Scope of Works - B.3	Raw water tank no need as mentioned during the site visit. Confirm that it's not needed to include all the items listed on the BOQ and the scope of work	Raw water tank is required as per the BOQ & Scope of work.
8	Scope of Works - B.3	If raw water is needed can it be GRP sectional panel tank with corrosion resistant material.	Storage tanks need to be GLS with cathodic protection against corrosion.
9	Scope of Works - B.4	Sulfuric acid and hypochlorite could be considered instead of calcium?	Yes and we can use both
10	Scope of Works - B.4	what is the use of polymer & Flocculant in this treatment plant?	Polymer and Flucculant are NOT required in this treated plant.
11	Scope of Works - B.4	Please advice if Dosing pumps in duplex? No need for chemicals injections	Please find the line diagram WP-GEN-002 attached herewith for the reference.
12	Scope of Works - B.5.b	During backwash multimedia filters is needed in production or it could be stopped till the completion of the backwash. If activated carbon filters are not required as per our design, can they be removed from the scope?	The MM filters is required in production as well as in back washing. The supplier can remove unwanted equipments from the scope based on their design, ensuring the SDI < 3 after the pretreatment and without compromising the final product water quality.
13	Scope of Works - B.5.c	As per our design and experience only one stage of 5 microns is enough and not required Duplex material for them. Can we modified this scope?	It can be considered.
14	Scope of Works - B.5.d	Any filtration range to be met? microns, mm?	The basket filters can be selected according the min. size of the marine contaminants present in the feed water and prevent the same from entering into the raw water tank.
15	Scope of Works - B.5.c	Only gauges and indicators is required? And not transmitters? For the cartridge filters.	Guages and indicators including transmitters are required for the catridge filters.
16	Scope of Works - B.6	Automatic Flushing for each system as individual or one system for both arrays of SWRO skids?	Automatic flushing system common to both aarrays of SWRO skids.

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17	Scope of Works - B.7	SWRO containerized plants but keeping outdoor filters? and pumps and other equipment inside containers?	SWRO containerised plant, but keeping filters, pumps, etc outside the container. (Note: The containerized unit should be designed considering ease of maintenance of the unit.). Please find the proposed plant layout WP-GEN-001 attached herewith.
18	Scope of Works - B.8	Boron is not considered? If needed please provide its value	Around 4-5 ppm
19	Scope of Works - B.10	No sketch attached for chemical stores	Please find the sketch WP-GEN-001 attached for general layout of the proposed plant including the chemical stores.
20	Scope of Works - B.10	You need SCADA integration with the existing control room? or Local HMI is ok as mentioned during the visit?	Yes, we required scada integration in our existing control room and we will prefer siemens PLC.
21	Scope of Works - B.10	20 to 24 weeks will be delivery period Only for units? installation and commissioning will be as separate time line?	6 Months, Tenderer can propose alternative offer.
22	Scope of Works - B.10	If the sea water is not matching with analysis showed in the tender, than which is the first to take into account as design envelope for this project?	In our Scope of Work - "Delivery Period", it clearly states that the seawater analysis shall also be carried by the bidder if required for him for verification. So QNCC will not take any responsibility if any change in the spec. of intake water and later affects the product quality.
23	Scope of Works - B.10	How will be the power supplied with a permanent connection from KM or from generators?	We already have KM connection at our site and will provide you accordingly but please share with us full load of plant.
24	Beach abstraction wells	Although the wells will be based on the beach they are unlikely to be abstracting water from beach sand itself (which is generally very thin) and instead will be abstracting water from the shallow bedrock aquifer, which is hydraulically connected to the sea. Qatar experience has shown that the bedrock in the region can have variable yield. As three 30m deep wells have been specified in the tender, it is possible that the two operation wells (and one standby well) may not meet the plant demand. Can we request clarification on the reasoning for three wells but also clarification on how it will be managed if the testing and commissioning identifies that the demand from the plants cannot be met by the specified wells. For example, may we provide an additional unit rate per well to ensure that the well systems are fit for the operation?	It is required to provide three beach well (02 operational & 01 standby). It should be designed by the supplier (location, size, type, etc.) to meet the plant demand and any variations during the testing and commissioning is not acceptable.
25	Discharge well specification	Based on our experience with wastewater discharge in Qatar, discharge to aquifer requires a permit and may only be discharged to the deep aquifer. Discharge to the shallow aquifer is not supported by the authority. Standard requirement for permitting requires for deep recharge via appropriately designed injection well, with associated monitoring wells and monitoring program. May we request clarification that the reject water is to be disposed of by deep recharge well and not (as stated in the brief) by beach well.	In our scope of Work - "Environmental Impact", it is mentioned regarding separate beach wells with suitable depth according to Qatari standards. So the same should be designed by the supplier.
26	1st Pass SWRO configuration	Based on our experience in desalination plants, pre and post treatment can be used as common for the 1st Passes arrays. Could be considered different units working + standby for only 1st Passes arrays? And same pre treatment and post treatment?	Design to optimize the process with reduction in the cost without affecting the specified uninterrupted production & product quality are

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27	2nd Pass BWRO configuration	Based on our experience as commented in point 26, only 1st passes SWRO arrays will be considered 1 W + 1 S and the 2nd Pass BWRO will be used as common for both 1st passes. Kindly confirm this if it is possible.	affecting the specified uninterrupted production & product quality are acceptable.
28	Beach wells	Kindly let us know the dia of the Beach wells you prefer.	The supplier should select the specs of the well to meet the requirement of the plant.
29		Please provide the latest analysis report for the intake water.	Report attached.
30		Scope of works page 37, Item 10 states: "Product Water Quality Recovery of unit 30% (guarantee item) product water quality to WHO 2nd edition 1993, Average TDS 250-350 PPM. Ph 7.2-8.5, with post chlorination/UV sterilizer, oil & grease free, odorless, tasteless, no TURBIDITY Or <1 NTU, manganese & iron free" Please confirm the parameters required for the product water as only TDS and PH are given.	Beside PH 7.2 - 8.5, TDS < 250 PPM, Parameters required are EC in $\mu\text{s/cm}$, < 150, hardness as CaCO_3 60 - 100 ppm, Alkalinity as CaCO_3 60.0 - 100.0, Turbidity < 1.0 NTU, phosphate, sulphate, chlorine, chloride, nitrate, (values to match KAHRAMAA requirements).
31		Please clarify TSS value to be considered for Design of SWRO System	TSS to be considered, and it ranges from 5.00 - 15.00 ppm.
32		It is observed that $\text{TDS} \geq 65,000 \text{ppm}$. Please note that greater than 65,000ppm could be any value beyond 65,000ppm and to design SWRO Plant we require a fixed value of TDS. Hence, we understand Plant shall be designed with $\text{TDS}: 65,000 \text{ppm}$ Maximum. Please confirm or else advice.	Yes, TDS maximum 65,000 ppm.
33		Kindly confirm the inlet TDS as $\text{TDS} > 65000 \text{PPM}$ is way to high for sea water.	Intake TDS ranging 50,000 to 65,000 ppm.
34		All pages of the tender documents title states 2 x SWRO Desalinators with minimum production of 1000 m3/day each. Kindly Confirm	2 x SWRO desalinators with minimum production of 1000m3/day each.
35		Item 3 of the BOQ, page 20 states "Skid Mounted SWRO units 1000 MTPD, 2 Nos. Please Confirm	Skid mounted SWRO units 1000 MTPD – 2 nos.
36		Scope of Works page 35, Item 4 Chemical Injection Dot Point 3 states for Anti-scaling, PH Corrections,, Sodium injection, or M50 etc. Please advise what is M50?	Please ignore the same as typing error.
37		Scope of Works page 36, Item 7 states: "Containerized units (ISO 9001) to be mounted on concrete base each unit 500MTPD be containerized prewired, preassembled, pretested, electric panels all major components in the containers, but multimedia filters, carbon filters storage tanks, beach well, vertical pump etc. outside container sketch is attached, PLC/SCADA fully automatic units." ?? Please confirm whether the scope of works 4 Containerised SWRO each 500 MTPD or 2 x Skid Mounted SWRO each 1000 MTPD. Also provide the Sketch as it is not attached to the tender documents.	Please correct the capacity to 1000 MTPD each with 2 x Containerized SWRO units. Sketch WP-GEN-001 attached – showing the general layout of the plant.
38		Scope of works page 37, Item 10 states: "Stores: To construct the room for storing chemicals & spare parts with A/C to be built up, minimum size: 4M x 10M with partition for spares & chemical separate section, See attached sketch." Please provide The mentioned sketch as it is not provided.	Please find the attached plant layout sketch WP-GEN-001
39		Scope of works do not specify the storage capacity and pumps required for the Product Water. Please confirm	The product water will be stored in the existing storage tanks in the water plant & old plant.

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40		Site Layout is missing from the Tender Documents. Please Advise	Please find the attached drawings WP-GEN-001 & WP-GEN-002
41		Single Line Diagram & Layout drawings are missing. Please Advise	
42		Site Drawings are missing.	
43		In the tender documents (pg36-37) you referred to enclosed sketches which were not attached to the tender document. Would you please send to us	
44		We understood that the plant will work for 24 hrs. Accordingly the hourly rate will be $2000/24 = 83.35$ m3 hr. please confirm.	Yes, the plants required to provide desalinated water at the rate of 83.35 M3/hr.
45		In the tender document, you mentioned containerized unit in one paragraph and skid mounted in another one. Please confirm that you accept both options.	Containerised unit and skid mounted unit inside an airconditioned building is also acceptable.
46		On page 35, section B, point 5 (Filtration Unit); Please clarify whether 3 sets of Multimedia filters refer to each 1000 MTPD unit or the total 2000 MTPD? The same question for the Carbon filters, Micronic Filters and Basket filters.	Three sets of filters for 2000 MTPD, out of three sets of filters - one set for each unit and third will be served as stand-by.
47		For optimized design, please confirm if we can recommend some parts to be shared between the two ROs.	It can be considered - provided with standby for all the shared parts.
48		Based on the TDS of the sea water, cathodic protection is required for the GLS tanks, kindly confirm	Yes, it is required to provide cathodic protection.
49		Kindly provide the sketch as indicated in the statement below from the scope of work:" (ISO 9001) to be mounted on concretes base each unit 500MTPD be containerized prewired, preassembled, pretested, electric panels all major components in the containers, but multimedia filters, carbon filters storage tanks, beach well, vertical pump etc. outside container sketch is attached, PLC/SCADA fully automatic units."	Please find the sketch WP-GEN-001 & WP-GEN-002 attached (provide the same)
50		Kindly provide the complete sketch of the designated area for the tanks, RO systems, distances, pipeline profile, underground utilities drawings, etc. Complete drawings package required	Please find the layout drawing for the proposed SWRO plant WP-GEN-001 attached.
51		Clarifications on the BOQ (item 1.1 and 4, 1.2 and 5), the items are repeated, kindly confirm if they are the same or different.	Items: 1.1 & 4, 1.2 & 5 are same.
52		Please confirm the capacity, MOC and quantity of both raw water tanks and product water tanks, as there is a contradiction in the scope of work.	Capacity of proposed Raw water tank is 600 m3, MOC is GLS, Quantity is 1.0 nos. Product water tank is not required, and it is planned to store the product in the existing water tanks at QNCC (Water plant & Old Plant) after post treatment.
53		In reference to the spare parts list the description of the items is unclear such as item 2.4, is the 2 sets for each type of pump? item 2.6, is the quantity 1 no. of spare kit or 1 no. pump? etc.	Item 2.4 - Two sets of overhauling spares for each pump and Item 2.6 - One no. of spare pump for each type of chemical dosing pump.
54		Kindly confirm if an alternative piping could be used? such as GRP or HDPE.	Alternative piping can be considered based on the service life, repairability, spare availability and price (preferred HDPE).
55		For item 2.16 in the BOQ, kindly be noted that chemicals can't be stored for one year, kindly confirm if the supply of chemicals to be stored.	It is under the supplier scope to supply chemicals for 1.0-year operation.
56		Item 9 to be clarified, is it the same as the spare parts list or is it different?	In the BOQ: item 9 can be considered as any spares required for 1.0-year operation which is not included in Item 2, not easily available in the local market and the same supplier considered as critical.
57		Kindly be noted that API650 is applicable for welded steel tanks and not GLS tank, kindly confirm if this can be deviated.	The code API 650 can be deviated for the GLS tank.

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58	Site Visit	During the site visit it is observed that there is existing equipment's at the proposed SWRO Site. Please confirm it is not under contractor to remove this material.	It is not under contractor to remove the existing scrap/spare
59	Beach wells	Please clarify exact location where Proposed Beach wells will be constructed to Install Borewell Pumps. i.e., Inside sea or at beach side on shore.	Please refer the layout drawing of the SWRO Plant WP-GEN-001 attached.
60	Dumping wells	Please clarify exact location where Proposed Dumping wells will be constructed. i.e., Inside sea or at beach side on shore.	Please refer the layout drawing of the SWRO Plant WP-GEN-001 attached.
61	Scope of supply & Works and Technical Aspects, Page 36	We refer to Page 36 Clause 7 It is mentioned each Unit 500MTPD whereas Page 35, clause A: States "2 SWRO Units Desalinators, minimum production 1000m3/day for each and total of 2000m3/day. Please clarify is it required to provide 2 x 1,000m3/day SWRO plant or 4 x 500m3/day.	It is required to provide 2 × 1000 m3/day SWRO plant.
62	Scope of supply & Works and Technical Aspects, Page 35	Refer Clause 3, We understand Raw water storage tank shall be constructed in GLS as per EU Standards and API 650 shall be ignored as both are different standards for Tanks. Please confirm.	GLS tank as per EU standard is acceptable with cathodic protection against corrosion.
63	Scope of supply & Works and Technical Aspects, Page 35	Refer Clause 3, Please clarify "Draw back flushing tanks for pressure vessels /Permeate cleaners." We understand this refers to the SWRO Flushing system or else advice.	It refers to SWRO flushing system.
64	Scope of supply & Works and Technical Aspects, Page 35	We refer to Clause 5, it is mentioned "Each 1000MTP Unit will have independent filtration, basket filter one automatic other manual ". Please clarify and share details of "Automatic Basket filter" requested herewith as basket filter are inline units installed on pipe and not automatic unit."	It refers to self-cleaning filter. Please find the line diagram WP-GEN-002 attached.
65	Plumbing /Potable water Supply System	We understand there is no requirement to provide plumbing and Potable water supply system. Please confirm.	It is under supplier scope to provide the desalinated water to the existing storage tank 1000m3.
66	Scope of supply & Works and Technical Aspects, Page 35	Refer Clause 5, Sub Clause C , it is mentioned " Micronics filters (duplex) 30µm /5 µm..-2 Sets ". We understand duplex mentioned herewith refer to 2 Nos, not Material of Construction as Cartridge Filters in FRP are usually proposed for SWRO Plant. Please confirm.	Please refer the line diagram WP-GEN-002 attached.
67		Annexure A, BOQ item 12, Raw water storage tank capacity is 300 m3, whereas as per scope of work 600 m3.	Capacity of proposed Raw water tank is 600 m3, MOC is GLS, Quantity is 1.0 nos.
68		Please provide layout showing location of each equipment's.	Please find the sketch WP-GEN-001 & WP-GEN-002 attached (provide the same)
69		Please provide tie in supply point of water after desalination.	The desalinated water from the SWRO will be connected to the existing storage tank 1000 m3. The location of the same can be provided on site visit.
70		End use of RO permeate water – Please specify	For drinking & Industrial purpose.
71		Please clarify the term "In duplex" which is used in the chemical description (Item B-4) in the scope of supply, Does it mean duty and standby?	It means duty – Please refer to the line diagram WP-GEN-002.
72		Item (B-5) in the Scope of supply (Filtration), It is required to have 3 sets of Multimedia filters and 3 sets of Carbon filters, are these sets common for both units or do we need to have 3 sets for each unit?	Out of three sets of filters - one set for each unit and third will be served as stand-by.
73		Item (B-3) in the Scope of supply (Raw water tank): The API 650 Standard is applicable on steel welded tanks while the GLS tanks are bolted steel tanks with glass lining. The GLS is more commonly used in this application than the API 650 tanks, Please clarify whether to provide API 650 or GLS tanks.	GLS tank as per EU standard is acceptable with cathodic protection against corrosion.

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74		Item no. 18 in the BOQ (DN 10 PN10 SS316 200 m Pipe), The material for the product piping can be HDPE or PVC especially for the long run. Can we propose the same?	Preferably HDPE
75		Item (B-7) in the Scope of supply: The sketch is missing, please provide.	Please find the layout drawing WP-GEN-001 attached.
76		Item (B-7) in the Scope of supply: "Containerized units (ISO 9001) to be mounted on concretes base each unit 500 MTPD be containerized prewired," Is it required to have each 1000 MTPD plant divided into two containers each 500 MTPD? So, we will have in total 4 units each 500 MTPD? Please clarify.	It is 1000 MTPD × 2 plants
77		Is an Energy recovery unit required in this project? The specs didn't specify it.	It can be considered.
78	Scope of supply & Works and Technical Aspects	Please Provide soil investigation / geotechnical report of Plot Area where proposed SWRO will be constructed.	Soil investigation / Geotechnical report not been carried out in desalination plant, soil investigation report available for old plant which is 5 KM from desalination plant.
79	Scope of supply & Works and Technical Aspects	Please confirm Water Table level.	Water table range from 30-35 m depth approximately.
80	Scope of supply & Works and Technical Aspects	Please clarify Location, Distance and Layout drawing indicating the point of discharge of Dewatering wastewater expected during construction of SWRO Plant.	Desalination plant water intake and discharge details provided in the attcahed drawing.
81	EIA Approval	We understand there is no requirement to obtain EIA approval for this Project. Please confirm.	Approval requirment to be decided by MOECC and DCA befor starting the project in design stage.
82	Authority Approvals	Since project will be constructed under QNCC property we understand there is no requirement of DC1, DC2 and approval from other authorities such as Kahraama, Qatar Energy, Municipality, EIA ,etc. Please confirm.	Any new project, expantion or modiffaction required approval as per Qatar Environment Protection Law 30 of 2002.
83	Treated Water Quality	Please provide a copy of Treated Water quality to be guaranteed i.e., WHO 2nd Edition 1993.	Treated Water quality 4th edition (include 1th and 2nd WHO) and KM standard attached for refernce.
84	Fencing	Please clarify if there is any requirement to provide Fencing around Proposed SWRO plant.	Deslination plant is fenced.
85	Fire Alarm System	Please clarify if there are any requirements to provide a Fire Alarm System.	Yes. Will be installed by Client.
86	Firefighting System	Please confirm Fire Extinguishers shall be provided as part of the Fire Fighting System.	Yes. Will be placed by Client.
87	ELV Services	Please confirm CCTV, PAGA, BMS, etc. are excluded from Contractor scope.	Yes.
88	Drainage System	Please clarify if there is a requirement to provide a Plant Drainage system. If yes, please advise soak aways shall be provided or else advice the point of connection for Drainage system.	Clarify the quantity of the drainage water.
89		Kindly provide the infiltration test report and/or geotechnical soil investigation report Kindly confirm the casing size and MOC of the beach wells required.	Location as per supplier's design.
90		For sea water intake pumps •Depth of the well •Total head •Bore well size •Location	Depth of the well, Total head, bore well size to be designed by the supplier to meet the plant requirements.

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91		Beach well bore hole(intake) location and reject dumping well location and distance between them	Minimum distance -500 Meters between intake well bore hole and reject dumping well.
92		As QNCC is discharging the existing plant discharge water back to sea, we recommend to keep the discharge for the new units to the sea as the existing one. The reasons behind that are: • As per the regulation in Qatar, the discharge wells has special arrangements which is very hard to comply with available plant area. •The well depth should be minimum of 400 m. • It should be spaced far from the sea with 200-500 m depending on the area and this will be out of your area. •Extra monitoring wells should be added as per the government regulations. • Ministry of Environment, Municipality, Kahramma and Ashgal approvals are required to do it.	Yes its possible to be use the same reject point but after treatment with fresh sea water.
93		The automation system of the MMF, RO, Chemical Dosing, etc. shall be centralized and controlled from one place?	Yes
94		Is the SCADA system shall be connected to any existing system? if yes, please confirm the location.	Not required.
95	Lighting	Please clarify if there is requirement to Provide External lighting and plant lighting for Proposed SWRO Plot area.	Yes
96	HVAC	We understand Split AC unit for SWRO Containers and Chemical room should be provided. Please confirm.	YES
97	Power supply to SWRO	Please clarify if the power supply to proposed SWRO is under contractor scope.	QNCC will supply the power but first confirm us the total consumption of load.
98	Power supply to SWRO	If power supply is under contractor scope, please advise location and distance from Proposed plant. Provide details of existing Source from where Contractor shall supply power to SWRO Plant. Also confirm sufficient breaker size /Spare is available at source size.	N/A
99	Integration of Plant PLC/SCADA with 3rd Party	We understand there is no requirement to interface Proposed SWRO Plant PLC/SCADA System with any 3rd parties and any works beyond SWRO Plot is excluded from contractors Scope. Please confirm.	YES.
100		Please provide layout/drawing showing Tie in points for power supply & availability of feeder.	We will provide you after confirmation of total power consumption.
101		Item (B-10): (Unit shall be provided PLC/SCADA fully automatic): The containerized plant will be equipped with PLC and 15" HMI Screen as human machine interface. Please confirm it is acceptable for you.	Its ok for us but we will prefer to include separate control desk for operation of Unit
102		Provide site layout and existing services drawings including substation location, *existing power schematic and available power feeder for new RO units. Whether we need to install New Transfer and MV panel with new electrical room for power supply to new RO Plant. Whether existing transformer is good enough to take additional load etc.	Please note that we already have MV power supply inside our plant but first confirm us the load and voltage level, after that we will provide you all details.
103		The scope of the civil works is not clear, please clarify if the RO units shall be standalone and containerized type? or all the equipment to be inside an air-conditioning & ventilating Structure building (which is recommended)?	Bidders shall quote for the two options. Other cost-effective options will be considered

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104		Kindly be noted that one year O&M is not included in the BOQ as an item, kindly confirm.	please include One-year O&M including training of QNCC employees & supply of tools & tackles for the maintenance of the plants in the BOQ.
105	Scope of Works - B.10	20 to 24 weeks will be delivery period Only for units? installation and commissioning will be as separate time line?	Refer to point no. 21 above.
106		Form of breakdown of prices - Annexure B - the mechanical works and Automation works are missing; shall we have added separately?	The project is turnkey basis all required work must be included.
107		Delivery: 20-24 Weeks is not possible, The High pressure pump delivery in super duplex stainless steel takes 6 months ex-work for delivery due to the high TDS which is not common in the SWRO unit. 8 months is the minimum duration to complete the delivery to site for the units. Therefore, Required total duration for the complete mobilization/engineering till handover contract duration 11months.	Refer to point no. 21 above.
108	Site Office Facilities	We understand there is no Mandatory requirement to provide site office for Contractors and Client Personnels. Please confirm. If yes, please clarify the location where site office shall be constructed and also advise if there are any charges to paid for the said.	Confirmed, no site office.
109		We kindly request you to grant and extension of time of 2-4 weeks from 26-03-2023 onwards due to supplier/vendor input in order to submit our offer successful.	It has been decided to grant an extension period to provide more time to submit your competitive offer. Therefore, the new closing date for the aforementioned Public Tender will be read on: Sunday, April 2, 2023, on/or before 12:00 noon. Accordingly, you are expected to make both the Tender Offer and Tender Bond validity effective on the new closing date.