



South Asia Gateway Terminals (Pvt) Ltd.

P.O. Box 141

Colombo 1 Sri Lanka

Engineering Department

Telephone +94-11-2457113

Fax +94-11-2457555

To :
From : Civil Engineering Manager
Date : 19.01.2021
Ref : BOQ for Supply & installation of new tertiary water treatment plant
Tender No : LCL-001-2021
Pages : 01

Dear Sir,

Sealed quotations are invited for Supply & installation of new tertiary water treatment plant.

You are required to,

1. Complete the specification in the form supplied to you and any alternative offer could be Submitted as an annexure in the same format.
2. Complete the price details required in the “**Attached BOQ**”
3. State the tender number on all related documents such as quotations, invoice etc...
4. Sealed offers should reach The Manager Finance, South Asia Gateway Terminals (Pvt) Ltd, P.O.Box 141, Port of Colombo, Colombo or deliver by hand to Finance Department or email quotations@sagt.com.lk on or before **3.00 PM on 10th February 2021.**
5. Any quotations received through any other channel will not be considered for evaluation.

You may contact the undersigned on 077-2457113 for further clarifications.

Thanking you,

Yours faithfully,

Diluka Mahawatte

TENDER FOR
SUPPLY & INSTALLATION OF NEW
TERTIARY WATER TREATMENT PLANT

1.0 DESCRIPTION:

Tender for supply & installation of new tertiary water treatment plant

2.0 ANNEXTURES TO THE TENDER DOCUMENT

- 2.1 Form of Tender in accordance with the format (**Schedule 1**)
- 2.2 Performance bond in accordance with the format (**Schedule 2**)
- 2.3 Advance payment bond in accordance with the format (**Schedule 3**)
- 2.4 Bid Bond in accordance with the format (**Schedule 4**)

3.0 PERFORMANCE BOND

At or before the execution of the Contract, the successful Bidder(s) shall provide a Performance Bond (in the format as per **Schedule 2**) as security for the due performance relating to the repair work. The Performance Bond shall be a "pay on demand" bank guarantee from a commercial bank carrying on business in Sri Lanka. The performance bond should be 10% of the bid value, validity for a period of 365 calendar days

4.0 ADVANCE PAYMENT

On the request of the Bidder advance payment up to 40% of the bid value will be granted upon submission of a bank guarantee to the same value (in the format as per **Schedule 3**). Validity of the bank guaranty should be 180 calendar days.

5.0 BID BOND

The bidder shall furnish, as part of its Bid, a bid security in the amount stipulated in the bidding data. The Bid Bond (in the format as per **Schedule 4**) shall be a "pay on demand" bank guarantee from a commercial bank carrying on business in Sri Lanka. The Bid bond should be 1% of the bid value, validity for a period of 90 calendar days

6.0 PERIOD OF COMPLETION

The project will be completed on a period of 45 calendar days

7.0 DELAY OF COMPLETION

The bidder is subjected to liquidate damages at the rate of 0.07% of the project cost for each day the delivery is delayed, with a maximum of 7.5% of the total cost of the project.

8.0 TERMS OF PAYMENT

Work in progress payment will be paid within seven working days after submission of the documents. Final payment will be paid in 30 calendar days after submission of the documents.

The total 95% of the full payment on successful completion of work.

9.0 DEFECTS LIABILITY PERIOD

One year after handing over the new treatment plant.

10.0 RETENTION

Retention 05% will be released after successful clearance of any defects within the stipulated period.

11.0 BIDDING AND PERIOD OF VALIDITY OF BIDS

11.1: Bids shall remain valid for 90 days after the date of bid closing.

11.2: Notwithstanding Clause above, SAGT may solicit the Bidder's consent to an extension of the period of bid validity. The request and the responses thereto shall be made in writing.

11.3: The bid shall be signed by the Bidder or a person(s) duly authorized to sign for and on behalf of the Bidder. Such authorization shall be indicated by written Power-of-Attorney accompanying the bid. All pages of the bid shall be initialed by the person or person(s) signing the bid. The name and position held by each person signing must be typed or printed below the signature.

11.4: The bids may be either sent by post under registered cover or hand delivered to the address given below.

11.5: Bidders are required to mark the top left-hand corner of the envelope as **“Tender for supply & installation of new tertiary water treatment plant”**

12.0 DEADLINE FOR SUBMISSION OF BIDS

12.1: Sealed offers should reach The Manager Finance, South Asia Gateway Terminals (Pvt) Ltd, P.O.Box 141, Port of Colombo, Colombo or delivery by hand to Finance department or email to quotations@sagt.com.lk on or before **3.00 on 10th February 2021**.

12.2: South Asia Gateway Terminals (Private) Limited may, at its discretion, extend the deadline for the submission of bids.

13.0 BID EVALUATION

To assist in the examination, evaluation and comparison of bids, SAGT may at its discretion, ask the bidder for clarifications of its bid. All responses to requests for clarifications shall be in writing.

Short listed bidders may be requested to make presentations/demonstrations of the products offered if requested by SAGT.

14.0 MODIFICATION AND WITHDRAWAL OF BIDS

The Bidder may modify or withdraw its bid after the bid submission, provided that written notices of the modification or withdrawal is received by SAGT prior to the deadline prescribed for submission of bids.

The successful bidder shall not modify, change or substitute the model and configuration indicated in the proposal after the bid closing date without the prior written consent for SAGT.

15.0 RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

SAGT reserves the right to accept or reject any bid during the bidding process and reject all bids at any time prior to award of contract, without hereby incurring any liability to the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the grounds for the action.

16.0 INFLUENCE

Any effort by a Bidder to influence the bidding and evaluation process or the decision in respect of bid evaluation or contract awarded will result in the rejection of that Bidder's bid.

17.0: NOTIFICATION OF AWARD

17.1: SAGT will notify the successful Bidder(s) in writing that its bid has been accepted and on which basis the bid has been accepted.

17.2: The duly accepted Letter of Award will constitute the formation of a contract until the Contract referred to below has been executed.

SCHEDULE 1

FORM OF TENDER

(To be completed on company letterhead)

To: - South Asia Gateway Terminals (Private) Limited, _____ Colombo 1

Tender for supply & installation of new tertiary water treatment plant in South Asia Gateway Terminals (Pvt) Ltd

1. I/We having examined the Instructions to Bidders and attached Schedules, do hereby offer and undertake to supply & installation of new tertiary water treatment plant in South Asia Gateway Terminals (Private) Limited in strict accordance with the Instructions to Bidders and attached Schedules, at the rates and prices as set out in the attached bid.

2. And further, on being awarded the contract, I/We do hereby undertake to obtain a guarantee from a reputed Bank or other sureties with your approval, to be jointly and severally bound with us in a sum amounting to 10% of the total value of the contract, for the due performance of the Contract.

3. And I/we further agree, in the event of my/our failing to execute the said Contract within the time period set out, subsequent to acceptance of this tender by you, if revoked by you, that I/we shall be held responsible for all and any damages suffered by you in consequence of such delay or failure.

4. I/we do hereby agree, that this tender together with your written acceptance thereof, shall constitute a binding contract between the two parties.

5. I/We understand that you are not bound to accept the lowest or any tender you may receive.

6. We further undertake to abide by the conditions in the tender for a period of 90 days from the last date fixed for receipt of tenders and that the same shall remain binding upon me/us and may be accepted at any time before the expiration of such period.

Dated this (.....) day of (.....) 2021

.I.....in the capacity of.....duly authorized to sign for and on behalf of

.....

Signature

(Note: Bidders are required to fill up all the blank spaces in this Tender Form.)

SCHEDULE 2

PERFORMANCE BOND

To: South Asia Gateway Terminals (Pvt) Limited
P O Box 141
Colombo

WHEREAS (the “Contractor”) carrying on business under the name and style of of No. by agreement dated with South Asia Gateway Terminals (Pvt) Ltd (the “Company”) agreed to supply & installation of new tertiary water treatment plant for the Company’s wharf at the Queen Elizabeth Quay, Port of Colombo in accordance with the terms and conditions contained in the said agreement.

AND WHEREAS it is one of the conditions of the said agreement that provide a Performance Bond valid for the duration of the said agreement.

At the request of (the “Contractor”) of and in consideration of South Asia Gateway Terminals (Pvt) Ltd (the “Company”) awarding the Contractor providing(name of service) , We (the Bank”) hereby unconditionally and irrevocably undertake to pay on first demand any sum or sums of money which may from time to time may be demanded by the Company upto a maximum limit of Rupees (Rs.) in the event of a breach or non-performance on the part of the Contractor of it obligations under the aforesaid agreement.

This undertaking shall continue until or until notification by the Company that this sum is no longer required by the Company.

We hereby renounce the reference to the *beneficium ordinis divsionis et excussionis* and all other benefits, privileges and advantages to which sureties as such are by law entitled

Any payment made by the Bank to the Company, pursuant to this guarantee below Rs...../(Sri Lanka Rupees.....only) shall be a *pro tanto* discharge of the liability of the Bank hereunder and this guarantee shall remain valid and effectual in respect of the remainder.

We further agree that any change or addition to or other modification of the terms of the aforesaid Agreement, shall in any way release us from any liability under this guarantee, and hereby waive notice of such change, addition or modification.

Dated this day of 2021

SCHEDULE 3

Beneficiary's Name and Address.

Advance Payment: _____

Whereas Applicant (hereinafter sometimes referred to as the "Contractor") has agreed to enter into an agreement with South Asia Gateway Terminals (Private) Limited (hereinafter sometimes referred to as the "Principal") to _____

And whereas it is a condition of the said agreement that the said Principal shall upon the production of a Bank Guarantee acceptable to the said Principal advance to the Contractor a sum of Rupees Amount (hereinafter sometimes referred to as the "said Sum").

And Whereas the Contractor has requested the _____ a Banking Company duly incorporated and carrying on banking business in Sri Lanka under the Banking Act No. 30 of 1988 and having its Registered Office at No. _____ Sri Lanka (hereinafter sometimes referred to as "the Bank") to execute this writing and thus furnish the requisite Bank Guarantee and the Bank has agreed to do so.

AND BY THIS GUARANTEE the Bank in the premises set forth above and at the request of the said Contractor both hereby guarantee and undertake to the said Principal that the Bank shall and will on first demand without demur pay at Colombo to the said Principal such sum or sums of money as may be demanded by the said Principal not exceeding in the aggregate the said Sum.

Every demand hereunder shall be in writing under the hand of the Principal or if the Principal is a partnership, under the hand of one of the partners and if the Principal is a Body Corporate, under the Company Seal, and addressed and delivered to the Manager of the Bank at No. _____

Every payment made by the Bank hereunder shall be a pro tanto discharge of the liability of the Bank hereunder.

This Guarantee shall be unconditional and irrevocable.

This Guarantee shall become automatically null and void and cease to be of any force or avail in law after the Expiry Date (hereinafter sometimes referred to as the "Expiry Date") and the liability of the Bank hereunder shall be completely extinguished whether or not the original of this Letter of Guarantee is returned to the Bank duly discharged except in respect of claims duly received by the Bank at No. _____ before 2 p.m. aforesaid under this Guarantee on or before the said Expiry Date from the said Principal provided however that in case the said bank shall have on or before the said Expiry Date extended the period of validity of this Guarantee up to any date subsequent to the said Expiry Date then the preceding provision of this clause (other than this provision) shall stand amended and read as if the date to which the Guarantee is so extended had been inserted at the time wherever in the preceding provision of this clause (other than this provision) the said Expiry Date occurs and this guarantee shall have force and effect accordingly until the expiry of such extended date AND such period of validity may similarly be further extended from time to time so as to keep this guarantee in full force up to such further extended dates.

IN WITNESS whereof the duly authorized Officers of the _____ Bank Limited Colombo have set their hands unto these presents on this 2021.

For _____ Bank PLC.

Authorized Signatories

South Asia Gateway Terminals (Pvt) Ltd

SCHEDULE 4

FORM OF BID BOND

Whereas South Asia Gateway Terminals (Private) Limited called bids for supply & installation of new tertiary water treatment plant, it is a provision in the General Instructions to Bidders that bidders are obliged to furnish a Bid Bond along with its bid to ensure the due performance of its obligations under the Instructions to Bidders.

Whereas _____ wishes to submit a bid to provide the above-mentioned supply & installation of new tertiary water treatment plant at SAGT.

And whereas at the request of _____ (the "bidder") and in consideration of South Asia Gateway Terminals (Private) Limited (the "principal") accepting this undertaking in respect of the Tender for supply & installation of new sewer treatment plant at South Asia Gateway Terminals (Private) Limited, we _____ (the "financial institution") having its registered office at _____ HEREBY UNCONDITIONALLY AND IRREVOCABLY UNDERTAKE to pay on first demand any sum or sums which may from time to time be demanded by the Principal to a maximum aggregate of 1% of the annual total tender value which amounts to SL Rupees _____.

Every demand hereunder shall be in writing and signed by the Chief Executive Officer or Chief Financial Officer or an Authorized Officer of the principal and addressed and delivered to the Manager of the Bank at No _____. For all purposes connected with and relating to this bid bond, every such demand shall be conclusive proof that the amount so demanded is lawfully due under this bid bond. All payments hereunder shall be made in Sri Lanka by a cheque or a bank draft drawn in favour of the principal.

This bid bond shall be valid and binding and shall remain in full force and effect up to and including the _____ and thereafter shall be null and void and no force or effect (whether the original hereof is returned or not) except in respect of any demand made on or before the aforesaid _____.

IN WITNESS whereof this bid bond has been signed by the authorized signatories of the aforesaid _____ on this _____ day of _____ 2021.

Authorized Signatory
Name:
Designation:

Authorized Signatory
Name:
Designation:

SPECIFICATIONS FOR THE WATER BOOSTER PUMPING SET

Scope

Booster pumping System comprising 2 Pumps of equal capacity complete with all accessories shall be supplied and installed in the newly construct tertiary water treatment plant for pump treated water to the main admin building area. Furthermore, the contractor shall supply and install the piping work within the treatment plant and connect the new outlet line to the exiting delivery pipe line. Electrical power supply to the system shall be obtained from the power distribution board in the new plant.

System requirements

1. 2 Nos. of Vertical multistage inline Centrifugal Pumping sets or equivalent design
2. Fully equipped Electrical control panel with integrated variable speed drive
3. Bladder type pressure vessel
4. PVC piping work with all standard fittings and accessories
5. Non-return valves and gate vales of good quality

The booster pump package should able to maintain a constant pressure though continually variable adjustment of the speed of one pump. The other pump is cut in/out on mains operation, as required.

Variable speed drive-controlled pump shall always start first.

Pump changeover should automatic and depends on load; both pumps should be Variable speed drive controlled in rotation.

Pumping Units

Pumps shall be of vertical multistage inline centrifugal type and coupled directly to the motor.

Make of the pumps –Contractor should submit the details of the pumps

Total head to be Generated	30 m
Delivery length	550m

Pumps shall be constructed using the following material

Pump bowls	Stainless Steel/ equivalent
Impellers	Stainless Steel/equivalent
Shaft, Shaft sleeve, Fasteners	Stainless Steel/ equivalent

Mechanical seal shall be adequately sized and self-lubricating to ensure continuous smooth and vibration free operation

Motors shall be energy efficient continuous rated, 3-phase squirrel cage induction type suitable to operate with variable speed drives.

Electrical Control Panel

Electrical equipment, materials and workmanship shall comply with all applicable codes, safety and fire law regulations at the location of the work and shall conform to applicable codes and standards of the Institute of Electrical and Electronic Engineers (IEEE).

Components shall be housed in a single Stainless-Steel enclosure of adequate size & IP65 proof grade.

Control circuit wiring inside the panel shall be 1.5 mm² minimum, rated for 240 volts. All power wiring shall be rated for 600 volts. Conductors shall be colour coded in the same colours throughout the entire panel. All components shall be identified with a numerical or alphabetical reference. The component identification labels shall match the ones shown on the electrical schematics. Contractor should submit three copies of the electrical drawings.

The following devices shall be included in the control system:

1. Incoming MCB
2. Adequate variable speed drive and pump logic controller
3. Fuses and motor protection
4. Manual Auto Selector switch
5. Push buttons for manual operation
6. Voltmeter & Ammeter
7. Transformer type Indicator lights for following
 - a. Individual pump on/off/trip
 - b. Supply faulty
 - c. Sump low water

Variable Speed drive

The adjustable frequency drive shall be pulse width modulation (PWM) type, microprocessor-controlled design with an output suitable for controlling standard industrial squirrel cage motors. Unit shall be the as manufactured by ABB, Danfoss, Telemecanique or Siemens.

BOQ FOR SUPPLY & INSTALLATION OF NEW TERTIARY WATER TREATMENT PLANT

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	It is the tenderers responsibility to visit the site before tender closing date to fully acquaint themselves with the works involved, ascertain all restrictions and fully familiarize themselves to the full extent of the specified project.	Note			
2	Offers of the tenderers who did not visit the site prior to making the offer will not be considered for evaluation.	Note			
3	Required PPEs (Safety helmet, safety shoes, high visibility jackets,goggles,Safety harness etc.)should be supplied by the tenderers.	Note			
4	It is the tenderers responsibility to barricade the work site with warning barrier tapes, guard rails, fence, plastic barriers, etc.	Note			
5	Allow for cleaning site on completion of work including removal of all debris, soil, sand and rubbish.	Note			
6	Where materials, articles or workmanship are specified, these should be in accordance with the Sri Lankan standards or any other standard or code of practice that is deemed to be the latest issue of the said standard with any amendments	Note			
7	It is the responsibility of the contractor to familiar & adhering with the SAGT policies for Electrical installations, Health & Safety.	Note			
8	All the relevant port passes, approvals to be obtained by the contractor	Note			
9	All tools,equipments,lifting cranes, consumables to be provided by the contractor.	Note			
10	Allow for Workmen's compensation policy for staff.	Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11	All steel sections to be hot dip galvanized & apply approved Marine paint.	Note			
12	SAGT will be provided the power supply up to the contractor's power panel.	Note			
13	All electrical equipment & materials should be European make or equivalent.	Note			
14	All electrical installation work should be adhered to IEE wiring regulation (latest edition).	Note			
15	All electrical panels to be confirmed with IP 65 rating.	Note			
16	Details, specifications & all drawings of the panel & wiring should be provided for approval & contractor to be provided the as built drawings after complete the work.	Note			
17	The proposed treatment method/plant should be justified with proven technology, energy efficiency, less maintenance and minimum chemical usage.	Note			
18	If any sludge handling method of the proposed system should be clearly mentioned in the proposal.	Note			
19	The extended warranty offering for the plant and its equipment will be considered as an added advantage.	Note			
20	Provision to be made for remote monitoring facility of basic indicators of the plant.	Note			
21	Details, specifications & all drawings of the treatment plant should be provided for approval & contractor to be provided the as built drawings after complete the work.	Note			
22	The capacity of the proposed treatment plant is 100 Cu.m per day. The flow meter should be fixed for the discharge line to measure the water flow.	Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	Water quality of the inlet line for the proposed plant is mentioned in annexure-1	Note			
24	SAGT will be provided the inlet water line up to the contractor's plant inlet.	Note			
25	Final treated water quality parameters should be adhered to standard maintain in drinking water quality by National Water supply & drainage board.	Note			
26	A minimum of 5000L treated water storage capacity tank should include for the plant.	Note			
27	After the treatment, treated water line to be connected to the storage tank. Overflow line of the storage tank to be connected to the CMC drain.	Note			
28	If any water discharge to CMC drains during the treatment process, water quality should be as per the annexure-1	Note			
29	Contractor should provide all trade reference similar to this job	Note			
30	Contractor should provide a independent third party test report, confirming that, treated water quality meet the specified standards in the tender.	Note			
31	Construction of plant room to suit the requirements of the proposed treatment plant. Area of the plant should given by the contractor & submit all relevant drawings & specification. Contractor should obtain the client approval before start the construction work	Item			
32	Design, supplying, installing, commissioning, testing, proving & handing over a new tertiary water treatment plant with all electrical & mechanical work. Refer all details provided.	Item			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Water boosting system				
33	Supplier should indicate the country of origin, detail specifications & warranty of all pumps, equipment & electrical components separately.	Note			
34	Contractor should refer the technical details provided with tender.				
35	Supplying, installing, commissioning, testing, proving & handing over a water booster pumping set with all electrical & mechanical work.				
	Grand Total				

.....
Contractor Name & Signature

Annexure-1

Treated water quality parameters

	Parameter	Tolerance Limit
1	pH value at ambient temperature	6.0 to 8.5
2	Chemical Oxygen Demand (mg/l)	250 (max.)
3	Biological Oxygen Demand (mg/l)	30 (max.)
4	Total Suspended solids (mg/l)	50 (max.)
5	Oil & Grease (mg/l)	10 (max.)