

## Notice Inviting Tender

दूरभाषि :  
TELEPHONE :  
तार : बार्क-मुंबई, चेम्बुर.  
TELEGRAMS: BARC-MUMBAI, CHEMBUR.  
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क ईन  
TELEX: 011-61017/011-61022 BARC IN  
फेक्स संख्या : **91-22-550 5151**  
FAX NUMBER: **91-22-5505151**



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE  
Research Reactor Maintenance Division

ट्रॉम्बे,  
मुंबई-४०० ०८५.  
TROMBAY,  
MUMBAI-400 085.

Ref: RRMD/ TR-1/ TN- 01/2023

03/01/2023

**Sub :De-silting of chamber #1, chamber#2 and outside the chambers of sea water pumps at Dhruva Jetty through Annual Maintenance Contract for a period of three years.**

Sir,

**1.0** Sealed quotation is invited, for and on behalf of the President of India, for the above job as per the description and scope of work given below.

**1.1** Tender document is prepared in two parts viz. Part-A (Technical Bid) and Part-B (Price Bid). Part-A consists of the tender document that includes conditions of contract, special instructions to the tenderers, technical specifications, tender drawings etc. Part-B consists of Tender Document that gives financial bid format (**Schedule- B**). Vendor must attach following documents in **Part-A** (Technical Bid)

- Latest IT clearance certificate, PAN No, VAT or Service Tax registration Number.
- List of available tools & tackles for De-silting & dredging works.
- List of manpower i.e Divers, labors, supervisor along with organizational structure.
- Proof of having satisfactorily completed similar works.

In **Part-B** The quotation shall be in the format of attached schedule-B and shall show the basic cost and GST separately, if applicable and shall include the tender ref. no., PAN and GSTIN of the firm.

**1.2** Tenders are required to be submitted in separate sealed and super scribed envelopes containing and indicating the following:

I	First Envelope	Part-A (Technical Bid)
II	Second Envelope	Part-B (Price Bid)

The technical bid and the financial bid should be sealed by the bidder in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover which should be sealed and duly super scribed with the name of the work, name and address of bidder, tender notice no. and due date.

**1.3** Sealed and super scribed Tenders as mentioned above in 1.2 will be received up to **15.00 hrs. of 27/01/2023** in the office of APO , Reactor Group,Dhruva, BARC, Trombay, Mumbai-



**400085. The quotation shall be sent through registered post/speed post through Indian postal services only.** Quotation delivered by person or through courier will not be accepted and not considered for bidding process.

- 1.4 After opening of Part-A of the tender, bidders shall be evaluated as per clause 6.0 for their techno-commercial capability to carry out the work based on;
- Technical capabilities in regard to tendered work
  - Available tools & tackles, Manpower i.e. Certified Divers, Labors etc.
  - Quality and safety consciousness.
  - Adherence to time schedule for the completed works.
- Those who do not satisfy the conditions shall not be considered.

- 1.5 The acceptance of tender will rest with Director, Reactor Group, BARC on behalf of President of India who does not bind himself to accept the lowest tender and reserves to himself the authority to reject an or all of the tenders received, without assignment of any reason. All tenders in which any of the prescribed conditions at Item 5.0 are not fulfilled or are incomplete in any respect are liable to be rejected.
- The description, scope of the work and the terms and conditions are given below.

## **2.0 Description of the item:**

The pump room at Dhruva Jetty constitutes a room of 15m x 13m and two pump chambers, 11 metre deep, below the floor. The chambers are partly under sea water. Three vertical sea water pumps are installed in each chamber, that gets partly submerged in sea water. Each chamber is separated into two regions by a Travelling water screen (TWS). Area of both chamber is 60 sq. mtr each. Openings are there on the floor of the room, through which a ladder can be lowered in the chamber, for entry of personnel. Water enters the chambers through openings below water level on east side wall, having a coarse screen of mesh size approx. 100mm x 100mm. Water further passes through TWS of 10mm x 10mm mesh and gets pumped to the plant. In course of time, silt from the sea gets accumulated in the chambers.

Silt also gets accumulated outside the chamber at and around the opening, thereby reducing the flow area as well as passing more silt laden water into the chambers. The approach to this area is through a landing facility staircase outside the chambers.

## **3.0 Scope of job.**

### **3.1 De-silting operation:**

The desilting job is divided into two categories, namely, desilting of inside of the pump chambers and desilting of water intake area outside the caisson. The contractor shall make arrangement for de-silting of both the sea water chambers & water intake area outside of caisson (at opening face) using compressed air ejector system or other pumping system with the help of divers. Additionally, the divers shall remove all the foreign material lying inside the chamber and entangled in the coarse screen and also clean the pump lantern ring vent hole region of the installed pumps. De-silting shall be done on two occasions in a year (one before the onset of monsoon, and one after the monsoon), and also in case of emergency, any time in between.

Each sea water chamber includes the pump chamber, the upstream region and downstream region of the traveling water screen. The chambers shall be totally de-silted. Approx area is 120 Sq. mtrs.

Area outside of the caisson on the water entry side shall be de-silted for the full length along the wall face upto 10 meter distance from the wall and to a depth of 1 meter below the wall opening. Approx area is 150 Sq. mtrs.



- 3.2 Lead line within pump chambers & predetermined outside area all around chamber survey (manual within pump chambers and with the help of pontoon provided by department for outside area) should be done prior to De-silting and after de-silting which is in vendor's scope, to ascertain completion of desilting. The desilting activity can be done during pumps in down condition and hence, it will be scheduled during plant Shutdown only. With past experience average depth of silt observed within chamber & in front of chamber is around 0.8 meter to 2 meter. Contactor has to remove all silt whether less or more and will be paid lumpsum on area basis which is 60 m<sup>2</sup> for each chamber & 150 m<sup>2</sup> outside chamber.

Contractor has to remove entire silt from pump chambers & to remove silt up to 3.4 meter below our datum line which is at Elevation 24143 up to a distance of 10 meter from wall of the chambers on water entry side.

- 3.3 For De-silting of Pump Chamber 1 and 2 contractor has to use Submersible Electrical sludge pump. The pump is moved underwater by Diver all over the surface area of Chamber. In this operation with minimum 4" dia delivery pipe must be used. Delivery head of this pump should be more than 35 mtrs.
- 3.4 For outside area in front of intake windows of chamber, diving Team will be working from floating platform /pontoon (to be provided by department) & silt will be ejected by airlift pump with compressed air and disposed off at a distance guided by green flexible Air Hose. Housekeeping must be done on daily basis at the working area around the chamber on surface. Contractor has to remove all debris collected during job and same will be shifted to waste yard inside BARC.
- 3.5 During desilting, silt shall be thrown 50 mtrs away from all four side boundaries depending upon tidal conditions.
- 3.6 Vendor shall arrange desilting pumps, good & sufficient length of hose-pipes required for the job, adequate capacity air compressor, with all accessories to lift the silt.
- 3.7 Vendor shall clean & remove any foreign material from pump chambers, TWS & coarse screen at no extra cost to BARC.
- 3.8 The Pre desilting depth and post depth will be logged and signed by vendor and Engineer-In-Charge of work.
- 3.9 All material both consumables and non consumables (except those mentioned in schedule- A), air lift silt suction dredging equipment, tools & tackles, Divers, diving equipment, hose breathing apparatus, skilled, unskilled manpower, supervision, Transportation while carrying out work is under vendor's scope.
- 3.10 Vendor shall provide all required safety equipment & PPEs (Personal Protective Equipment) like safety shoes, helmets, safety belts etc.
- 3.11 All necessary services like lifting, shifting, repositioning of equipment at site is in vendor's scope.
- 3.12 In case vendor requires electrical connection to any of his equipment, the rating and specifications of the equipment shall be clearly mentioned. The equipment shall be accompanied by adequate Starter with protection and sufficient length cable. Department will provide connection to starter, from existing point in the plant, with a maximum 5m long cable only.
- 3.13 All other things required for carrying out the jobs not mentioned in schedule- A are in vendor's scope of supply.
- 3.14 Vendor shall follow BARC safety rules & regulation.



- 3.15 Vendor shall carry out the job as suggested by Engineer-In- Charge of work & priorities as decided by him.
- 3.16 Job should be started within one month after acceptance of P.O. as decided by Engineer-In-Charge of work in view of reactor Shutdown.
- 3.17 Adequate number of certified & medically fit divers & one supervisor shall be utilized. Medical fitness certificate for diving with previous experience is must & documents for fitness shall be provided by the vendor before start of work.
- 3.18 All workers involved in the job shall be covered under ESIC, PF etc. As per statutory rules. Necessary police verification and safety and security regulation of BARC shall be compiled by the vendor.
- 3.19 Average depth of the silt is around 0.8 meter to 2 meter which is indicative only. Contactor has to remove all the silt even if it is slightly more (10%) than the average and will be paid lumpsum on area basis.
- 3.20 Department will provide compressed air, electricity, water and floating pontoon/platform free of charge to contractor.

**3.21 Under water investigation & rectification:**

Occasionally, there has been instances of malfunctioning of underwater equipment like travelling water screen, chlorination piping etc. due to various reasons like foreign material entanglement, basket elements getting bent etc. In such an event, to investigate the reason, divers assistance will be required to go inside the water filled chamber and get the assessment of the problem and removal of any obstruction, without draining the chamber. This is separate job and shall be executed as and when requirement comes, during the period of AMC.

**4.0 General Terms and conditions.**

- 4.1 The contractor shall make arrangement for all the necessary Tools, tackles, equipment, as mentioned in item 3.0 required for the de-silting job.
- 4.2 All the Personnel brought for the work shall have valid Police Verification Certificates.
- 4.3 The contractor shall visit the site and familiarize himself with the quantum of work.
- 4.4 All the workers arranged by the contractor shall be physically and mentally fit. All the Industrial Safety standards adopted for diving shall be followed and the contractor shall be responsible for any incident during the work. Department shall not be responsible for any untoward incident during the work. Successful contractor shall give a safety undertaking in prescribed format before commencing the job.
- 4.5 The quotation shall be inclusive of all the charges including the transportation, mobilization etc.

**5.0 Scope of department:**

- 5.1 Necessary power supply arrangement for lighting, Pump & Compressor.
- 5.2 Air for breathing can be taken from existing fresh air compressor at site.
- 5.3 Ladder arrangement for entry of divers into the chamber.
- 5.4 Floating pontoon/platform.

**6.0 Vendor Qualification:**

- 6.1 The contractor shall visit the site and familiarize himself with the quantum of work before quote and submit their offers.
- 6.2 Vendor should have own office preferably with certification/ license for marine work & own skilled divers having sufficient knowledge/ experience regarding De-silting & dredging work.
- 6.3 Vendor must have tools & tackles as mentioned in item 3.9 to carry out De-silting & dredging work.
- 6.4 Vendor shall have previously executed work orders of similar nature and same documents shall



be attached in **Part-A (Technical Bid)** for evaluation.

6.5 Those that do not satisfy the above conditions shall not be considered.

**7.0 Option:**

7.1 While the contract is intended to be valid for a period of Three years, the department reserves the right to terminate this contract by giving a notice of one month and without any financial obligation on the part of department. In the event of cancellation of the contract for a reason or the other the payment for service carried out will be paid on pro-rata basis.

7.2 Proportionate amount shall be deducted from contract for non-servicing period.

7.3 Proportionate amount from the bill will be deducted for non-execution of the checklist items, if any.

**8.0 Emergency Call:**

8.1 Emergency call from the user department should be attended immediately but not later than 24 hours at extra cost on item rate basis to be executed only if necessary.

**9.0 Payment Terms and conditions:**

The payment will be made in the following manner.

9.1 Progressive payment @ 100% of the value of work items shall be released as per attempt of De-silting on half yearly basis of respective item at site time to time on satisfactory completion of the work items.

9.2 Please forward your invoice in triplicate & Advance stamped receipt indicating the works contract number and date, for arranging payment.

9.3 GST number and PAN number to be indicated in the stamped invoice.

9.4 Taxes need to be shown separately in the bill.

9.5 BARC is the final consumer of the goods/services procured and does not intend to make any outward supply. BARC will not avail the benefits of Input Tax Credit and hence, the goods can be supplied without quoting the GSTIN of BARC, Mumbai on the invoice. The invoices taxed under GST, as per rates applicable under the GST Schedule of Rates, shall be admitted for payment

9.6 Payment will be made **only** through ECS/Core Banking System. Hence, please furnish the bank details such as Bank's name & address, A/c No. and IFSC code in the invoice

9.7 Income Tax @ 2%, Surcharges and Edu. Cess as applicable will be deducted from the bills.

9.8 The attached 206AB declaration format along with supporting documents shall be submitted. Otherwise double TDS will be deducted as per IT clause 206AB.

**10 Completion schedule**

10.1 The job shall be completed as per schedule decided by department throughout the works Contract, which is intended for **Three Years** from the date of acceptance of work order.

10.2 Time is the essence of the contract. If you fail to comply with this condition you shall be liable to pay compensation.

10.3 Penalty clause : Any delay in the completion of the job which is attributable to the vendor, is liable for a penalty @ ½ % of the work-order value per week (max. 10%).

10.4 In case extension in the job completion period is required, the vendor has to write to BARC & it should be approved / justified by the concerned Division in BARC.

**11 Completion Report:**

11.1 A completion report may please be forwarded to this Office after completion of the work as per schedule decided by department & well before the expiry of the contract certifying that the work has been completed as per the terms and conditions of the contract and also with



your proposal for extension of the contract if any, indicating our contract No. and date for our consideration.

- 11.2 Please ensure that our contract number is quoted in all correspondences and bills etc.
- 11.3 Kindly acknowledge receipt and confirm that the work will be carried out in terms of the contract.

## 12 Confidentiality Clause:

- 12.1 Confidentiality: No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, adviser or the employees engaged by a party with equal force.
- 12.2 Restricted information" categories under Section-19 of the Atomic Energy Act, 1962 and "Official Secrets" under Section-5 of the Official Secrets Act, 1923: Any contravention of the above-mentioned provision by any contract or, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.
- 12.3 Prohibition against use of BARC's name without permission for publicity purposes: The contractor, sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, TV or Internet without the prior written approval of BARC.

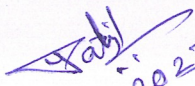
## 13 Security Instructions

Please indicate whether any of your relatives are employed in BARC or you or any of your employees were employed in BARC or any other units of DAE.

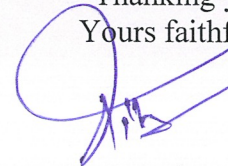
## 14 General:

1. You may contact Shri U.D. Patil, SO/E at Telephone No. 25599076/25594622 for further clarifications.
2. The names of your authorized representatives to whom official instruction can be given may please be communicated.
3. The contractor may fill up the Schedule B format attached and submit along with the quotation. Quotations without PAN no. and GSTN registration number is liable for rejection.

Encl: 1.Sketch 1& 2  
2.Schedule A  
3.Schedule B  
4.GST Undertaking by Contractor  
5. 206AB declaration form

  
02.01.2023

Thanking you,  
Yours faithfully,

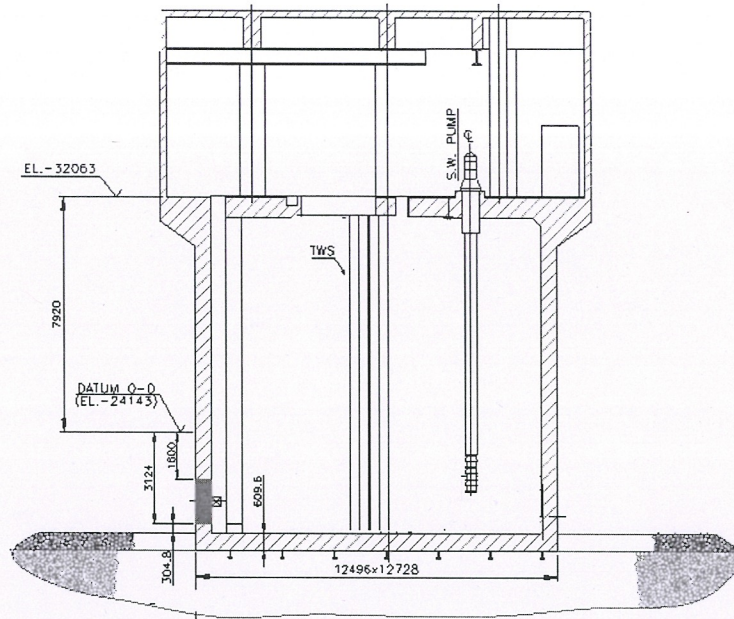


sd  
Manoj Tilara  
Maint. Suptd. (Mech.)  
(Tel: 022-25594258)

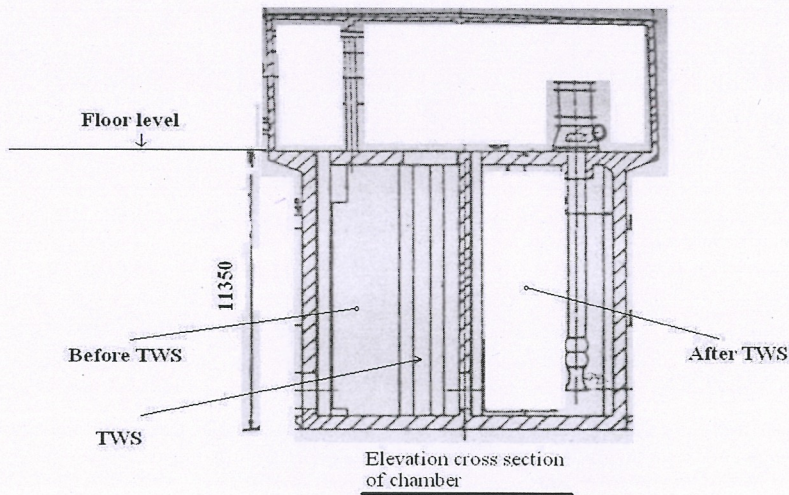
(For and on behalf of The President of India)



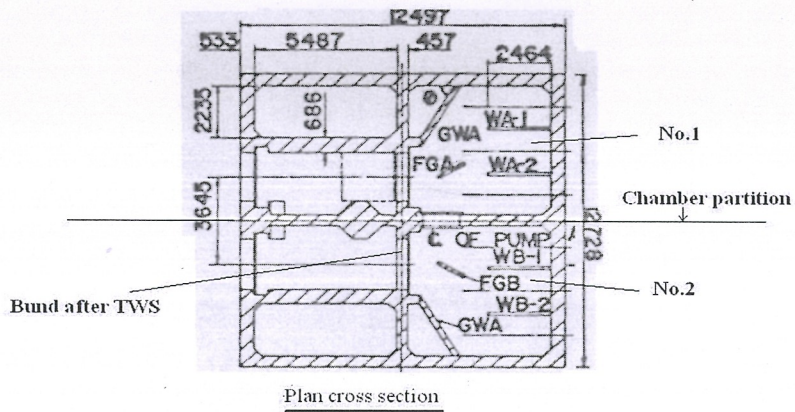
# Sketch 1



## JETTY CHAMBERS



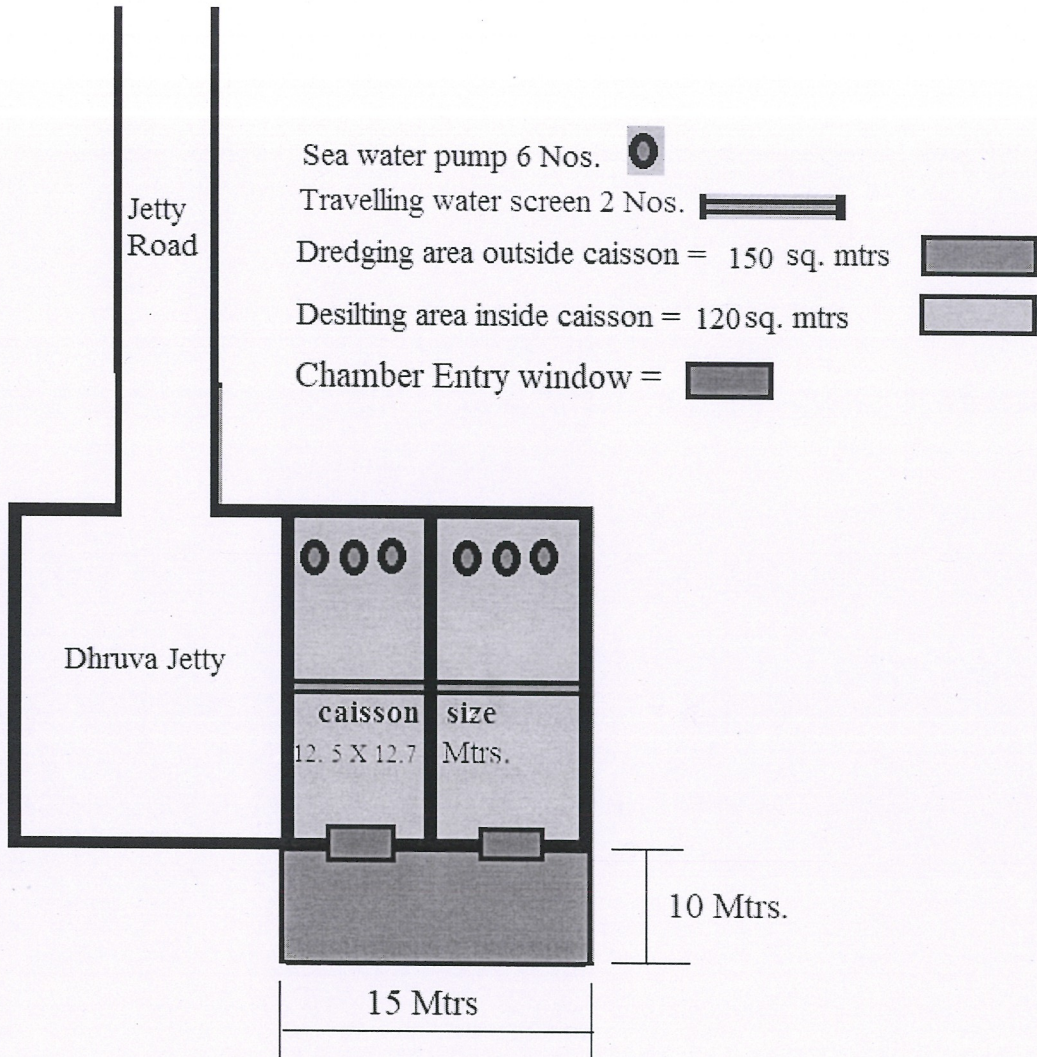
Elevation cross section of chamber



Plan cross section



# Sketch-2

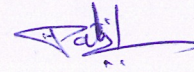




## Schedule A

Schedule showing the materials to be supplied, to the extent available, by Bhabha Atomic Research Centre, for work, contracted to be executed.

Serial no.	Particulars	Quantity	Unit	Amount
1.	Electricity(415 V, 3 ph) Necessary power supply arrangement shall be provided for lighting, pump up to 55KW/75 HP (3 phase induction motor). * Contractor need to bring his own star/delta starter and cable of adequate rating with copper lugs.	At one point	-	Free of cost
2.	Compressed air (80psig)	-do-	-	-do-
3.	Water (60psig)	-do-	-	-do-



Sd.  
Engineer-in-charge



## Schedule B

### Contract for De-silting of chamber #1, chamber#2 and outside the chambers of sea water pumps at Dhruva Jetty .

SI No	Description	Unit	Qty.	Rate	Amount
1.0	De-silting of sea-water pump chamber no 1 at Cirus Jetty involving Underwater diving inside Chamber and also removal of all foreign material in the chamber Approximate de-silting area : 60 sq m Average depth of water 6m Average depth of silt to be removed 0.8 mtrsto 2mtrs	Lumpsum	6		
2.0	De-silting of sea-water pump chamber no2 at Cirus Jetty involving Underwater diving inside Chamber and also removal of all foreign material in the chamber Approximate de-silting area : 60 sq.m Average depth of water 6m Average depth of silt to be removed 0.8 mtrs to 2 mtrs	Lumpsum	6		
3.0	De-silting of outside area of caisson (at water entryface )upto 10mtrs distance from caisson wall, throughout the length, at Cirus Jetty involving Underwater diving and also removal of all foreign material. Approximate de-silting area : 150 sq.m Average depth of water 6m Average depth of silt to be removed 0.8 mtrs to 2 mtrs	Lumpsum	6		
	Taxes, if any				
	Total Cost In Rs.				

Total in words =

#### **Item rate:**

SI No	Description	Unit	Rate
1.0	Underwater inspection of chamber for investigating any obstruction/damage of travelling water screen or piping and removal of abstractions. The work force shall be along with the required equipments and gear for underwater diving.	Lumpsum	

**Note:** This activity of inspection will be included as an extra item, to be executed only if necessary and limiting to max. 4 attempts during the entire period of contract i.e. for Three years.



Annexure-II

UNDERTAKING

(Goods & Service Tax)

The following certificates should be submitted by the suppliers / contractors to the paying authority on the bill itself when Goods & service Tax (GST) is claimed as extra by the contractors / suppliers.

1. **Certified that** the Goods and packing on which Goods & Service Tax (GST) has been charged, have not been exempted under the Goods & Service (GST) or the rules made there under.
2. **Certified further that** we have actually paid Goods & Service Tax (GST) and are being assessed to Goods & Service Tax (GST) and also that where there are statutory exemptions under the GST act concerned we have availed of the same and certify non availability of such provision for Goods & Service Tax (GST).
3. **Certify that** in respect of the amount claimed in the bill, no claim is pending for refund / or is admissible. Certify that in the event of our getting refund in whole or in part of the element of Goods & Service Tax (GST), we shall pass on the benefit of the amount of refund obtained by us.
4. **Certified further that** we (our branch of agent)

\_\_\_\_\_

(Address) \_\_\_\_\_

\_\_\_\_\_

are registered as dealer in the State of \_\_\_\_\_ under the Central  
Registration No. \_\_\_\_\_ for the purpose of  
Goods & Service Tax (GST).

(Signature with rubber Stamp)



**TO WHOMSOEVER IT MAY CONCERN**  
**Undertaking pursuant to Section 206 AB of the Income Tax Act 1961**  
**Declaration confirming filing of Income Tax Return from immediate two preceding years**

I, \_\_\_\_\_(Name), in the capacity of Director of \_\_\_\_\_( Entity Name)., with PAN \_\_\_\_\_, do hereby make the following declaration as required under the relevant provisions of the Income Tax Act 1961 (hereinafter referred as "the Act").

1. That I am authorized to make this declaration in the capacity as the Director.
2. I hereby declare and confirm that we do not fall under the definition of 'specified person' as provided in section 206AB of the IT Act.
3. We have duly filed return of Income for FY 18-19 & 19/20 within due date as per Section 139(1) of the Income Tax Act, 1961 :**YES/NO (Strike out whichever is not applicable)**.
4. If the return has been filed the details are as follows:

I/We, \_\_\_\_\_having PAN \_\_\_\_\_ hereby confirm that the provision of Section 206 AB is not applicable in My/our case as I/we am/are regular in filing of Income Tax Return. The details (alongwith proof of documents) of acknowledgement numbers and date of filing of Income Tax Returns for last two financial years are furnished below:

<b>SR. No.</b>	<b>Financial Year/ (Assessment Year)</b>	<b>Date of filing Income Tax Return</b>	<b>ITR Acknowledgement Number</b>
<b>1</b>			
<b>2</b>			

5. I/We hereby take responsibility for any loss/liability fully including any Tax, Interest, penalty, etc. that may arise due to incorrect reporting of above information.

All the aforesaid representations are true and correct, and we agree to furnish any evidence required at any time in support thereof.

On behalf of \_\_\_\_\_

<<Nameoftheauthorisedsignatory>>

<< Designation>>

Name of the Entity :

Seal :

Date:

(Signature with rubber Stamp)