

To,

Tender No :	NCAOR/EST/EE/01/16-17
Date :	02.09.2016

(The approved/registered contractors)

Sub : Supply, Installation, Commissioning of Water Pumps & allied plumbing, electrical work at NCAOR.

Dear Sir,

NCAOR proposes to execute the above cited work at NCAOR as detailed below.

You are requested to submit your quotation with your best rates including materials, labours, tools, transportation etc. in the schedule rates attached, along with the accepted terms and conditions, addressing to the Director NCAOR on or before **27.09.2016** by 11.00 hrs. in a sealed envelope superscribing the name of work.

Tenders will be opened on the same day at 11.30 hrs in presence of Tenderers if any.

Pl. drop the sealed Tender in the tender box kept in the Estate section on or before the last date and time of tender. Late tenders will be summarily rejected.

Yours faithfully,

(Dy.Manager)
Estate Section

Note : The above Limited Tender is for the registered contractors. However, contractors other than the registered contractors may submit duly filled contractors registration form (Annexure A-D) on or before 13.09.2016 to qualify for the tender.

TENDER SUBMISSION FORM

Name of the Tenderer: _____

Name of the Firm : _____

Office Address : _____

Telephone No. (Office) : _____

Mobile : _____

Email : _____

Residential Address : _____

Telephone No. (Residence) : _____

*PAN/TAN No. : _____

*Service Tax No. : _____

*VAT No. : _____

**Pl. enclose copy.*

Name & Signature of the Tenderer with seal

TECHNICAL SPECIFICATIONS & SCOPE OF WORK

SCOPE OF WORK

- 1).Systematically dismantling of the existing two numbers of 3HP motors along with its old concrete foundation and the 2" & 4"pipeline setup of 11 meter length connected to suction and discharge side of both the motors from foot valve till the flange above the first floor slab, with necessary cutting in the slab wherever required, with proper electrical isolation by disconnecting and removing the old electrical circuit items from panel, making site clear for installing new motor setup.
- 2).Laying of cement concrete 1:1:2 in foundation with foundation bolts duly plastered, for both the pumps.10HP monoblock motors to be installed onto the M.S. fabricated base frame with proper bolting .The suitable M.S. fabricated base plate duly painted as per the size of the motor is to be fixed onto the cement concrete with foundation bolts and anti vibration pads.
- 3). Fabrication and installation of GI pipes of sizes 80mm ,65mm and 32mm for suction, discharge and gland water arresting respectively ,along with the required bends, T's, butterfly valves, flanges, dual plate NRV ,gate valves, foot valves etc with zinc chromate primer, two coats of synthetic enamel paint with necessary cutout in the side wall / slab where ever required and making good the same etc complete.
- 4).Making necessary modifications/ fabrication in the existing electrical panel and providing star delta starter arrangement within it with necessary circuit elements suitable for 10Hp motors.
- 5).Laying of 4 X 10 sq mm armoured cable on surface necessary saddles/clamps from panel to both the motors along with cable end terminations with brass compression glands, copper lugs. Double earthing for both the mototsusing 12 SWG copper wire.
- 6).All electrical items used should have ISI mark and as per specifications.
- 7).The interested bidders should visit the site well in advance to get themselves acquainted with the site and technical information before pre-bid meeting and quoting.
- 8).Contractor shall have to submit detailed step by step Method Statement indicating procedure of work to be carried out for the completion of the project, and provide details of what machinery to be used machinery / equipment list and its number, technical staff and should maintain occupational health and safety.
- 9).Contractors shall take all precautions to see that the work is done in such a sequence and manner as to prevent all avoidable damage to the existing electrical setup or injury to life. Any damage to nearby property or structure shall be made good by the contractor without extra claims.

Note:

- The work completion period of 30 days is given for procurement and readiness of all material and arrangements. The actual execution of work is to be done only within 2 days on any Saturday and Sunday of the given time schedule.

- The contractor may assess the requirement and if necessary make alternative arrangements of spare pump motors and water tankers in order to avoid water shortage to NCAOR office.

LIST OF RECOMMENDED MAKES/BRANDS

Motor: Kirloskar, Siemens, CG, Texmo.

MCB - Legrand, Schneider, ABB, Siemens.

Casing capig- Presto-plast, Precision, Polycab, Modi

Cable Glands and lugs - Siemens, Comet, Jainson, Polycab.

Electrical cables and wires - Finolex, Polycab, havells.

Contactors, Timer, MPCB, Push button, Indicating lamp - Siemens, L&T, Schneider, ABB.

GI Pipe and fittings - Jindal, Sail, Tata, Zenith.

Valves - Zoloto, Firtop, Airfield, Audco, Advance, Kirloskar.

GI & MS channels, angles & flats: Tata, Sail, Jindal.

Cement: Acc, Vasavdatta, Gujrat Ambuja.

Sand: Pednem, Karwar, Londa sand fulfilling IS Specifications.

Electrodes: metal bond (Advani oerlikon), E-Bond (ESAB), Mangalam.

Paints (including zinc chromate primer): Shalimar, Asian, Berger, Nerolac.

Gaskets: Champian, Sona, Steel man.

Schedule of Rates (Price Bid)

(Only RATE in words and figures. Amount in figures)

Sr.	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
1	Dismantling of existing 3hp motors (02 nos) including its foundation, old pipeline setup-2" & 4" pipe of 11m length, from foot valve till the flange above the first floor slab connected to both the motors, the job includes necessary cutting in the slab wherever required, proper electrical isolation with removal of old circuit from the panel and making site clear for making new installations.	Lump-sum	01		
2	Providing and laying in position cement concrete 1:1:2 (1 cement: 1 coarse sand: 2 graded stone aggregate 20 mm nominal size) in foundation with proper foundation bolts into the concrete for installing 10Hp motors.	cum	0.18		
3	12mm cement plaster finished with a floating coat of neat cement of mix of 1:3 (1 Cement : 3 fine sand).	sqm	2.12		
4	SITC of 10hp three phase mono block motor of Gland type (Kirloskar,KDS-1040+,80X65) or equivalent make of CG, Siemens, texmo with duly painted MS fabricated base frame as per the size of the motor with foundation bolts, antivibration pads etc as required to complete the job.	nos	02		
5	Providing & Fixing of class-B GI pipe (32mm) for motor drain water pipe setup for both the motors including fittings like elbows, tees, tapers etc, with zinc chromate primer, two coats of synthetic enamel paint, proper clamping, necessary cutout in the side wall and making good the same etc complete.	rmt	15		
6	Providing & Fixing of Class-C GI pipes (65mm) in discharge side of the motor ,including fittings like elbows, tees, tapers etc with zinc chromate primer, two coats of synthetic enamel paint complete and as directed by the Engineer-in-charge.	rmt	12		
7	Providing & Fixing of Class-C GI pipes (80mm) in suction side of the motor, including fittings like elbows, tapers etc with necessary cutting in the slab , with zinc chromate primer, two coats of synthetic enamel paint complete.	rmt	06		

8	Providing, installation, testing and commissioning of below mentioned items into GI pipelines complete with nuts, bolts, washers, gaskets of following sizes with ISI mark complete as required.				
a	dual plate NRV (brass,65mm)	nos	01		
b	butterfly valve (65mm)	nos	02		
c	Gate valve(brass,65mm)	nos	02		
d	foot valve (brass,80mm)	nos	02		
e	flange (65mm)	nos	12		
f	flange (80mm)	nos	08		
9	Providing star delta starter in the existing panel complete with 4Pole MCB (40A),MPCB (0-20A) ,contactors (3 NOS ,20A),on delay timer, control wiring usig 1.5sqmm wire ,Start/stop push button set, with LED indicating lamps (start, stop, trip),6A SP MCB, direct analog meter (0-30A) suitable for 10Hp motor with necessary modification /fabrication in the existing panel.	set	02		
10	Supply, laying, testing and commissioning of 4X10sq.mm armoured copper cable on surface with necessary saddles/clamps on wall surface etc as required for completing the job.	rmt	35		
11	Supplying and making end termination with brass compression gland and copper lugs for 4 X 10 sq. mm armoured cable.	nos	08		
12	Providing and fixing 12 SWG dia copper wire on surface or in recess for loop earthing as required.	rmt	20		
A	Sub Total :				
B	VAT.....% :				
C	Service Tax.....% :				
D	Other Charges if any :				
E	Grand Total (A+B+C) :				

(E) Grand Total: Rs. _____

Grand Total in words: _____

1. Discount offered if any, should be included in the quoted rates & should not be shown separately.
2. Contractor should quote all items given in the price bid.
3. Price Evaluation Criteria - The Lowest Evaluated Bidder (L1) would be arrived from the Grand Total (E) above.

Certificate:

I/we (Name of the bidder) _____ on behalf of

(Name of the Firm)_____ hereby certify that

i/we have quoted all items of the Price Bid & accept all the terms & conditions of the tender.

Signature of the tenderer:

Date & Seal:

Terms and Conditions

1. The Job must be completed within **30 days** from the date of receiving the work order. Time is the essence of the work.
2. The Tenderer shall inspect the site and fully study the work involved, quantity and specifications before tendering. Clarification in this regard will be given if required, prior to submission of tender.
3. Tender submitted shall remain valid for a minimum period of 90 days from the date of opening for the purpose of acceptance and award of work. Validity beyond 90 days from date of opening shall be by mutual consent.
4. Defects liability period is One Year from the date of actual completion of works as certified by the Engineer Incharge.
5. Security Deposit – 10% Security Deposit will be deducted from the final bill amount & shall be released after six months from the date of completion of work if no defects are found in the work.
6. The Tenderer should quote all items of the price bid of the tender, otherwise the tender will be rejected.
7. The Rates quoted by the tenderer shall include sales tax, duties, octroi, toll tax, royalties and all other taxes in respect of this contract. No claim whatsoever in this regard shall be entertained after submission of tender.
8. Final payment will be made within a month only after satisfactory completion of total work, on actual quantity executed against submission of bill in duplicate. All materials accessories required during the said work shall be arranged by the Contractor, like ladders, tools, labour, transport etc at his own cost.
9. All materials used shall be brand new and as per the IS specification and ISI marked wherever applicable. .
10. Any damage to the property of NCAOR will have to be made good by the Contractor at his own cost. The safe custody and upkeep of various items/equipments/tools & plants of various categories of works brought to site is the sole responsibility of the Contractor.
11. The Contractor shall co-ordinate his work with other agencies employed by NCAOR and ensure that the works of other agencies are not hampered in any way during the Contract.
12. All necessary measurements, test reports etc. should be submitted after the completion of work.
13. After completion of work, the party shall clear surroundings premise, clean all the floors, windows panes, furniture's, etc to the satisfaction of the Engineer Incharge at the site.
14. The employer reserves the right of accepting the whole or part of the tender and the Tenderer shall be bound to perform the same at the rates quoted pro-rata.
15. The Tenderer shall quote RATES both in figures and words. He should also workout the amount for each item of work and write in figures and words. On checking if there are differences between rates quoted by the Tenderer in words and figures or in the amount worked out by him, the following procedure shall be followed :
When there is a difference between the rates in figures and in words, the rates, which correspond to the amounts worked out by the tenderer, shall be taken as correct. # When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figure or in words, rate quoted by the tenderer in words shall be taken as correct. # When the rate quoted by the tenderer in figure and in words tallies but the amount is not worked out correctly the rate quoted by the Tenderer shall be taken as correct and not the amount.
16. Except writing rates, taxes and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenders. If found any, such tender shall be rejected.
17. All measurements shall be at actual and as per site condition. Joint measurement shall be recorded with our Engineer.

18. Before submitting the tender all pages should be signed by the tenderer, including the schedule of quantities and terms and conditions and should be addressed to Director, NCAOR & to be submitted in a Single Sealed Envelope, superscribing name of the work, tender number and should be dropped in the tender box kept in the office of Estate Section at NCAOR on or before the due date & time.
19. If the last date for the submission of tender happens to be holiday then the tenders will be opened on the next working day at 11:30 hrs.
20. Contractor shall be fully responsible for any injury (whether fatal or otherwise) to his representatives/service personnel, for any loss or damage to property or for any other loss, damage. In case of any accident occurs due to any reasons during execution of work, NCAOR will not be responsible in any way for the same. No extra payments shall be made to the Contractor and No claim what so ever nature will be given or paid on this account and Contractor is fully responsible for such eventualities and indemnifies NCAOR from such events.
21. Post Tender Correspondence / Enquiries: Any correspondence or enquiry subsequent to opening of the bids is not desirable, if the same is indulged into, it will be considered for disqualifying the tender. The Tenderer will be required to abstain from pursuing / canvassing the matter, directly or indirectly with any Officers of NCAOR, as otherwise the same would also amount to disqualification of the tender. However, bidder can ask their queries in writing regarding bidding conditions, bidding process prior to the bid opening and/ or rejection of its bid, reason for rejecting a tender after opening of bids.
22. Clarifications From Bidders: To assist the process of examination, evaluation and comparison of bids, the Employer may ask all the bidders or any bidder individually for clarification, if any, of their bids, including breakdown of unit rates and price. The request for clarification and the response should be in writing, but no change in the price or substance of the bid will be sought, offered or permitted, except as required to confirm the correction of arithmetical errors discovered by the Employer in the course of scrutiny.
23. Penalty & Termination Of Contract: Time is the essence of the contract. If the contractor fails to maintain the required rate of progress or to complete the work and clear the site on or before the contract or extended date of completion, he shall without prejudice to any other right or remedy available under the law, pay compensation the amount calculated at the rates stipulated below or as the Employer may decide (whose decision in writing shall be final and binding) on the amount of the tendered value of the work for every completed day / week (as applicable) that the progress remains below or that the work remains incomplete.
In case, the work is delayed/not completed within the period stipulated in the contract, penalty shall be levied @ 2% per week on the total contract cost subject to maximum of 10% of the total contract cost. The Engineer-in-Charge may without prejudice to his any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and / or any other provisions of this contract or otherwise, and whether the state of completion has or has not elapsed, can take decision & inform the Contractor by notice in writing in any of the following cases.
 - i. If the Contractor fails to rectify/replace the defects in spite of written notice by Engineer-in-Charge
 - ii. If the Contractor suspends the progress of work so that in the opinion of the Engineer-in-Charge he will be unable to secure completion of the work by the date of completion and do not improve performance even after written notice.
 - iii. If the Contractor neglects to carry out his obligation under the contract and / or commits defaults in complying with any of the terms and conditions and does not remedy if even after written notice.

When the Contractor makes himself liable for action under any of the aforesaid cases, fails to complete the work even after six weeks after the completion period or in case the work is found not in accordance with prescribed specification, drawings, Employer shall exercise its discretionary power either:

- a. To recover, from the Contractor as agreed by way of penalty clause above, OR

- b. To terminate the contract. Upon such termination, the full security deposit recoverable under the contract shall be liable to be forfeited/recovered and shall be absolutely at the disposal of NCAOR. Or,
 - c. After giving notice to the contractor to measure up the work done by him, get the balance work done by another contractor. Any expenses which may be incurred in excess of the sum which would have been executed by the another contractor, shall be borne and paid by the original Contractor and may be deducted from any of his dues.
24. Settlement of Disputes/Arbitration: The decision of the Director, NCAOR shall be final and binding for any dispute whatsoever. All questions, disputes or differences whatsoever which may at any time arise between the parties to this agreement touching the agreement or subject matter thereof, arising out of or in relation there to and whether as to construction or otherwise shall be referred to the decision of the Sole Arbitrator, appointed by the Director of NCAOR and the decision of the said Arbitrator shall be final and binding upon the parties.
25. Right To Cancel Tender/Work Order: In case of strike, accident or any other unforeseen conditions causing stoppage of work, NCAOR reserves the right to cancel and/ or modify the tender / work order without any liability for any compensation and / claim or any description.
26. Jurisdiction: All questions, disputes or differences arising under out of or in connection with the Tender / Contract if concluded shall be subject to the exclusive jurisdiction of the court under whose jurisdiction the place from which the tender / Acceptance of tender is issued, is situated i.e. Goa.

I/ We have read all the Terms And Conditions above and agreed to it.

Signature of Tenderer :

Date:

Place:

Company's Seal