

(To : Limited tender enquiry for the approved contractors only)

Tender No :	NCAOR/EST/CE/02/16-17
Date :	09.05.2016

Sub: Limited Tender Enquiry for “Container Foundation & Electrical Works”at NCAOR, Goa.

Dear Sir,

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

You are requested to submit your quotation with your best offer 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 24.05.2016 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,

Scientist,
Estate Section

TERMS AND CONDITIONS

1. The completion period for works in all respects shall be 30 days (including holidays) from the date of acceptance of work order.
2. The Tenderer shall inspect the site and fully study the work involved, quantity and specifications before tendering. Any clarification in this regard will be given if required, prior to submission of tender.
3. Tenders with conditional prices / discounts will be rejected. Discount offered if any, should be included in the quoted rates & should not be shown separately.
4. Successful bidder should commence the work within one week from the date of acceptance of Work Order, failure of which the earnest money will be forfeited.
5. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the Price Schedule of tender.
6. Quotations should be signed on all pages, including the schedule of quantities and terms and conditions and should be addressed to Director, NCAOR submitted in as sealed envelope superscribing Name of the work on the envelope and should be dropped in the tender box kept in the Estate office at NCAOR on or before the due date and time.
7. 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 difference between the 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.
8. Defects Liability Period (DLP) : For the entire work is **One Year** from the date of completion of work as certified by NCAOR. Any defect which may appear within the Defect Liability Period of 12 months after the completion of work should be immediately rectified by the Contractor at his cost and only thereafter the Security Deposit will be refunded to the Contractor.

9. Security Deposit (SD): It is 10% amount of the final bill value. SD amount will be deducted from the final bill amount of the contractor. SD will be released only after successful completion of Defect Liability Period.
10. In case of termination of contract, the security deposit shall be forfeited and amount necessary to make up this amount shall be recovered from the contractor under this contract, or any other contracts with the Employer.
11. A tender is liable for disqualification, if bidder is found to have mislead or furnished false information in the forms / statements / certificates submitted in proof of qualification requirements or record of performance such as abandoning execution of the works, litigation history &/ or financial failures and or suppression of material facts and information .
12. Any discrepancies found in the drawings/specification or tender shall be brought to the notice of the engineer before submitting quotation / execution.
13. Duties & Taxes : (a) Rates quoted by the contractor shall include excise and all duties, octroi, toll tax, levies, royalties and all other taxes in respect of this contract. VAT & Service Tax as applicable is to be stated specifically in the prescribed columns of the price bid. In absence of any such stipulation, it will be presumed that rates quoted are inclusive of VAT & Service Tax and no claim whatsoever in this respect will be entertained later. (b) As per the GOI enacted the Building & Other Construction Work Act 1996 (BOCW Act), Labour Welfare Cess @ 1% will be deducted before payment if, the Contractor employees 10 or more workers on any day of his work. The Contractor should make necessary registrations with the Labour Department towards fulfillment of the rules & regulations of the BOCW Act & other applicable Acts of the labour Department.
14. Payment : Payment to the party will be released within 30 days upon submission of bill in duplicate after satisfactory completion of the entire work as per the actual quantity executed on site, as certified by the engineer after deduction of statutory taxes. No part payment / advance will be made.
15. Penalty: Time is essence of the contract. The Job must be completed within stipulated time from the date of receiving the work order. Otherwise 2% of total work value will be deducted from your final bill for a delay of each week, subject to a maximum of 10% of total work value. If work is not completed even after six weeks after the completion period, the contract will be terminated without any liability.
16. All materials used should bear the ISI Mark wherever applicable if any specific brand is not mentioned in the tender.
17. All measurements shall be at actual and as per site condition. No allowances shall be permitted for rough cast surfaces or for any aesthetical paintings, design bands, etc. Joint measurement shall be recorded with our Engineer.
18. 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 and plants of various categories of works brought to site is the sole responsibility of the Contractor.
19. The Contractor shall co-ordinate his work with other agencies employed by the clients and ensure that the works of other agencies are not hampered in any way during the Contract.
 20. All necessary measurements, test reports etc. should be submitted after the completion of work.
 21. The contractor shall remove all the remaining materials, tools, etc. clean the premises and hand over after completion of the work.
 22. The Employer (NCAOR) may delete / reduce the items of work at any time of progress or before commencement of work for which the contractors shall not be compensated.
 23. The Employer / engineer may terminate the contract during the progress of works, if the quality of workmanship / materials / progress are not to the satisfaction.
 24. The Employer reserves the right of accepting the whole or part of the tender and the Tenderer shall bound to perform the same at the rates quoted on pro-rata basis.
 25. While executing /assembly of the work the Contractor shall ensure that existing cables/pipelines structures/fittings are not damaged and if due to his negligence, these are damaged, the same shall be set right with no extra cost to the client.
 26. Pre / 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.
 27. 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.
 28. 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.

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TECHNICAL SPECIFICATIONS

A. Civil Works:

1. Excavation, ramming, backfilling at the desired location and preparing it for foundation construction.
2. PCC and RCC laying as instructed and required for the construction of containers foundation.
3. Laying of supply and drain pipes as required for providing supply and drain connection to the sink in the containers.
4. Providing plinth protection all around the containers.
5. Any other civil work as required to complete the job around the containers foundation.

B. Electrical Works:

1. All electrical items used should have ISI mark and as per specifications.
2. 16 sqmmX4core aluminium armoured cable to be layed on surface using saddles from main panel to the 8 way DB ,and including making end termination with brass compression glands and aluminium lugs at both the ends, along with miscellaneous civil work.
3. 50 sqmmX4core aluminium armoured cable to be layed underground trench with excavation from main panel to container and including making end termination with brass compression glands and aluminium lugs at both the ends, along with miscellaneous civil work.
4. Providing and fixing of Electrical DB, power points, drawing of electrical cables, earth pits etc as required to complete the job as per BOQ.
5. 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.
6. Contractor shall have to submit detailed step by step Method Statement indicating procedure of electrical 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.
7. 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.

LIST OF APPROVED MAKES

Sr. No	Description of Items	Brand/Company
1	CEMENT FOR RCC WORKS (OPC 43 GRADE)	ACC, Rajashri, Vasavdatta, Gujrat Ambuja, Zuari, Coromondal.
2	SAND	PERNEM / KARWAR / LONDA SAND fulfilling IS Specifications
3	COARSE AGGREGATE	Best available local material fulfilling IS Specifications
4	REINFORCEMENT STEEL (Fe 415 /500 grade)	TMT Steel reinforcement conforming to IS 1786 of 1985: TISCO, SAIL, RINL, GOA ISPAT, ESSAR, TATA, Bending Wire 18 SWG - GI wire
5	CPVC PIPES	ASTRAL , ASHIRWAD, AJAY
6	UPVC	FENESTA, SINTEX.,CITY
7	STONEWARE PIPES	Best available local product fulfilling IS Specifications.
8	Panels & DBs	legrand, hager, Anchor, Havells.
9	MCB	legrand, Schneider, ABB, Siemens.
10	Casing capping	presto-plast, Precision, Polycab, Modi
11	Cable Glands and lugs -	Siemens/ Comet / Jainson/Polycab
9	Electrical cables and wires	Finolex, Polycab, havells.
10	Switches & Sockets	Roma, Legrand.

SCHEDULE OF RATES (Price Bid)*(Only RATE in words and figures. Amount in figures)*

ITEM NO	DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
(A)	Civil Items				
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :	sqm	98		
	<i>RATE in words:</i>				
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 30cm in depth, consolidating each deposited layer by ramming and watering, lead consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	80		
	<i>RATE in words:</i>				
3	TMT steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	kg	1667		
	<i>RATE in words:</i>				
4	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns for mass concrete, etc.	sqm	14		
	<i>RATE in words:</i>				

5	Providing and laying in position ready mixed M-10 plain cement concrete , with cement content as per approved design mix and manufacture in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.	cum	19		
	<i>RATE in words:</i>				
6	Providing and laying in position ready mixed M-30 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer -in - charge.	cum	18		
	<i>RATE in words:</i>				
7	Providing, mixing and laying 40 mm thick Indian Patent stone flooring in PCC 1:2:4 mix concrete with 12 mm and down size graded crushed aggregate including providing and fixing 4 x 25 mm size glass strips in 1x 1 m panels , casting the concrete compacting and finishing the surface smooth using cement slurry as per direction of Engineer in Charge.	sqm	183.07		
	<i>RATE in words:</i>				

8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/e fixing 25mm OD pipes with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	Rmt	70		
RATE in words:					
9	Providing, laying and jointing 100mm dia glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.	Rmt	46		
RATE in words:					
10	Laying in trenches unplastised PVC pipes conforming to IS:4985-2000 and specials of 50mm OD for all classes including jointing with supply of approved solvent cement by non-heat application method including testing as per specification complete as per direction of Engineer in Charge.	Rmt	12		
RATE in words:					
(B) Electrical Items					
1	Supply, laying, testing and commissioning of 4 X 16 sq.mm 1.1 KV grade XLPE armoured aluminium cable with clamps on wall surface with necessary cutting in the wall and making good the same, as required for completing the job.	Rmt	60		
RATE in words:					
2	Supplying and making end termination with brass compression gland and aluminium lugs for 4 X 16 sq. mm (28mm) size XLPE armoured aluminium cable of 1.1 KV grade etc as required for completing the job.	Nos	2		
RATE in words:					
3	Supplying , fixing ,testing and commissioning of 8 way SPN DB, double door, sheet steel, surface mounted, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc with 32amps FP MCB(10 KA ,01 No) ,20A SP MCB (10 KA,02 nos),32A SP MCB (10	No	1		

	KA,02 nos)with cable termination, as required for completing the job.				
	<i>RATE in words:</i>				
4	Supplying , fixing ,testing and commissioning of Metra plug and socket DBs ,240 volts, sheet steel powder coated, with one 20 amps SP MCB ,including interconnections and cable termination, etc. as required for completing the job.	No	1		
	<i>RATE in words:</i>				
5	Providing and fixing of on surface power points with modular cover plate with frame, including 10/20 amps modular switch and socket and cable termination etc. complete as per instructions of engineer.	Nos	6		
	<i>RATE in words:</i>				
6	Supplying and drawing of FR PVC insulated copper conductor, single core cable of following size through casing capping, including cable termination as required for completing the job.				
a	3 x 6 sq. mm(LNE)	Rmt	20		
	<i>RATE in words:</i>				
b	3 x 4 sq. mm(LNE)	Rmt	25		
	<i>RATE in words:</i>				
7	Supplying and fixing of 40A,FP MCB, 240/415 volts,10KA "C" curve, in the existing MCB DB complete with connections, testing and commissioning etc. as required for completing the job.	No	1		
	<i>RATE in words:</i>				
8	Supplying , fixing ,testing and commissioning of 4 way SPN DB,single door, sheet steel, surface mounted, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, with interconnections, powder painted including earthing etc. with 63amps FP MCB(10 KA,01 No),with cable termination, etc as required for completing the job.	No	2		
	<i>RATE in words:</i>				

9	Excavation for cable trenches, depth upto 0.5 m including getting out the excavated soil, refilling with the excavated soil after laying of PVC pipe etc and drawing two numbers of 4 x 50 sq mm PVC sheathed / XLPE power cable of 1.1 KV grade through the laid PVC pipe and disposal of surplus excavated soil as directed, within a lead of 50 metres. PVC pipe will be provided by NCAOR.	Rmt	120		
<i>RATE in words:</i>					
10	Supplying and making end termination with brass compression gland and aluminium lugs for 4 X 50 sq. mm (35mm) size XLPE aluminium conductor cable of 1.1 KV grade.	Nos	4		
<i>RATE in words:</i>					
11	Earth work in excavation for trench/earth pits by mechanical means / manual means over ordinary rock areas as required for completing the job.	Cum	25		
<i>RATE in words:</i>					
12	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc.with charcoal/coke(96kg) and salt(5kg) as required.	Nos	2		
<i>RATE in words:</i>					
13	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer, excavation and refilling etc. as required.	Rmt	10		
<i>RATE in words:</i>					
14	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. As required.	Rmt	10		
<i>RATE in words:</i>					

A	Sub Total :	
B	Vat.....% :	
C	Service Tax% :	
D	Other Charges (if any):	
E	Grand Total :	

(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. Price Evaluation Criteria-Contractor should quote all items given in the price bid.
The Lowest Evaluated Bidder (L1) would be arrived from the Grand Total (E) above.

Certificate:

I _____ on behalf of

_____ hereby accept all the terms and conditions

laid down in the tender

Name and Signature of the tenderer:

With Date and Seal:

LIST OF DRAWING

- 1. DRAWING No. 1**