



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Name of Work: -“Supply, installation, testing and Commissioning, of kitchen equipments, LPG pipeline with gas bank and exhaust hood with ducting work in SOH-4 canteen in NISER CAMPUS, Jatni.”

NIT No. & Date: - **NISER/IWD-MECH/KITCHEN WORK/2019-20/06**
Dtd: 27.05.2019

Estimated cost of tender: Rs. 8, 06,513.00
Earnest Money : Rs. 16, 130.00

Completion time: - 30 (Thirty) days

Last date of submission of E- tender : **14.06.2019 up to 11.30 AM**
Opening of (Technical & Financial) Bid : **14.06.2019 at 3.00 P.M**

This tender document contains 13 (Including front page) pages.



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TENDER DOCUMENTS

File No. NISER/IWD-MECH/KITCHEN WORK/2019-20/06

Date: 27.05.2019

Name of work: -“Supply, installation, testing and commissioning, of kitchen equipments, LPG pipeline with gas bank and exhaust hood with ducting work in SOH-4 canteen in NISER CAMPUS, Jatni”

I N D E X

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NOTICE INVITING TENDER

NIT No. NISER/IWD-MECH/KITCHEN WORK/2019-20/06

Date: 27.05.2019

Director, NISER invites E- tender in single bid (Comprising Technical Bid and Financial Bid) for the following work:-

Name of the work: “Supply, installation, testing and commissioning, of kitchen equipments, LPG pipeline with gas bank and exhaust hood with ducting work in SOH-4 canteen in NISER CAMPUS, Jatni.”

Estimated Cost	:	Rs. 8, 06,513.00/-
Earnest Money	:	Rs. 16,130.00/-
Period of Completion	:	30 (Thirty Days).
Last date of submission of E- tender	:	14.06.2019 to 11.30 AM
Opening of bid (Both Technical & Financial)	:	14.06.2019 at 3.00 P.M

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER. Tender documents for viewing only is also available in NISER web-site address: www.niser.ac.in.

FIC (IWD)

Standard e-Tender Terms & Conditions

1. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "Tender Free View" link.
2. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "REGISTER ME" link in the homepage.
3. The Vendor registration fee has to be paid to ITI Ltd for Rs. 1180/- including GST. Using the e-payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 1 year.
4. For further details on e-Tender participation, please contact ITI Help desk on
 - Telephone: 080-49352000/9686115318
 - Email: harishkumar.kb@etenderwizard.com, ambasa@etenderwizard.com.
5. Tenders should be submitted only through e-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.



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Tender Notice

Director of NISER hereby invites E- tender in a single bid (Comprising Technical Bid and Financial Bid) for the following work from experienced and capable agencies registered in CPWD/ MES/ Railways/ State PWDs/ MSME and/or those who have worked for DAE or its Organizations or Govt. /Semi Government organizations/ reputed private organizations and have successfully carried out a minimum of **one/two/three similar works** (kitchen work) of 80%/60%/40% respectively of the estimated cost or above, as indicated in the prescribed format of the E-Tender portal in last seven years. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise the bid bear the risk of not being considered.

Name of Work	Estimated Cost ₹	Earnest Money ₹	Duration of work
Name of the work: - “Supply, installation, testing and commissioning, of kitchen equipments, LPG pipeline with gas bank and exhaust hood with ducting work in SOH-4 Canteen in NISER CAMPUS, Jatni.” NISER/IWD-MECH/KITCHEN WORK/2019-20/06 Dt. 27.05.2019	8, 06,513.00	16, 130.00	30 (Thirty Days).

The Bidders are requested to give detailed tender in E-Tender portal in the prescribed forms in single Bid (Comprising Technical Bid and Financial Bid)

Tender process & award of contract.

The technical bid will be evaluated to shortlist the eligible bidders. The financial bid of only the short listed bidders shall be considered for further processing. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be eligible for the financial bid evaluation.

The earnest money deposit and the cost of tender (Non Refundable) as indicated against the work should be send **by post or by hand** to “SO(C)-MECHANICAL, INSTITUTE WORKS DEPARTMENT, NISER, Jatni campus, PO-Bhimpur- Padanpur, Via-Jatni, District- Khurda, PIN- 752050” so that it reaches on or before the opening of the technical bid for e-tender system, in the form of **Account Payee Bank Draft** payable on any branch of Nationalized/Schedule Bank at Bhubaneswar/ Jatni in favour of **Director, NISER payable at Bhubaneswar/Jatni** in a sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bid shall not be opened. No interest is payable on EMD. Director of NISER, reserves the right to accept/reject any/all tenders without assigning any reason whatsoever. Part or incomplete tenders will be summarily rejected. No further correspondences whatsoever shall be entertained in this regard. Canvassing in any manner shall result in rejection of the tender.

Any dispute arising out of this shall subject to Bhubaneswar jurisdiction only.

FIC (IWD)

General Terms and Conditions:

1. Director of NISER hereby invites e-Tender in a single bid system (Comprising Technical Bid and Financial Bid) for the following work from experienced and capable agencies registered in CPWD/ MES/ Railways/ State PWDs/ MSME and/or those who have worked for DAE or its Organizations or Govt. /Semi Government organizations/ reputed private organizations and have successfully carried out a minimum of one/two/three similar works (refilling of fire extinguishers) of 80%/60%/40% respectively of the estimated cost or above, as indicated in the prescribed format of the e-Tender portal in the last seven years. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise the bid bear the risk of not being considered.

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the details through e-Tender in the prescribed format the past details, mentioning the name of work, estimated cost, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work from an officer not below the rank of Executive Engineer.

2. The estimated cost of the work is **₹8, 06,513.00/- (Rupees Eight Lakhs Six Thousand Five hundred and Thirteen only)** (As per DSR-2018, DSR-2014 and MRA).
3. Period for completion of the work will be **30 (Thirty Days)** and the date of commencement shall be reckoned from the tenth day of issue of award letter.
4. The earnest money deposit and the cost of tender (Non Refundable) as indicated against the work should be send by **post or by hand** to **“SO(C)-Mechanical, INSTITUTE WORKS DEPARTMENT, NISER, Jatni Campus, PO-Bhimpur-Padanpur, Via-Jatni, District- Khurda, PIN- 752050”** so that it reaches on or before the opening of the technical bid for e-tender system in the form of Account Payee **Bank Draft** payable on any branch of Nationalized/Schedule Bank at Bhubaneswar/ Jatni in favour of **“Director, NISER payable at Bhubaneswar/Jatni”** in a sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bid shall not be opened. No interest is payable on EMD. The EMD will be returned to the bidders(s)/Agents whose offer is not accepted by NISER within one month from the date of the placing of the final order(s) on the selected bidder(s). In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Bank Guarantee (if applicable). However, if the return of EMD is delayed for any reason, no interest /penalty shall be payable to the bidders.
5. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "**Tender Free View**" link. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "**REGISTER ME**" link in the homepage. The Vendor registration fees has to be paid to ITI Ltd for Rs. 1180/-. Using the e-payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 1year.Tenders should be submitted only through e-Tender portal and obtained the Tender Acknowledgement copy as a proof of successful submission.
6. The Bidders are requested to give detailed tender in E-Tender portal in the prescribed forms in single Bid (Comprising Technical Bid and Financial Bid).

7. Last date of submission of E- tender : **14.06.2019 to 11.30 AM.**
Opening of (Both Technical & Financial) Bid : 14.06.2019 at 3.00 P.M

8. Tender process & award of contract.

The technical bid will be evaluated to shortlist the eligible bidders. The financial bid of only the short listed bidders shall be considered for further processing. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be eligible for the financial bid evaluation.

9. Director of NISER does not bind himself to accept the lowest or any tender and reserves the right to accept the tender either in whole or in part. Director of NISER, reserves the right to accept/reject any/all tenders without assigning any reason whatsoever. The decision of the Director shall be final in this regard.
10. Canvassing in any manner or form will lead to rejection of the Bid.
11. The tenderer shall not be permitted to bid for works in any unit of DAE where any of his/her relatives are employed. He shall also intimate the names of any such persons who are working with him in any capacity or subsequently employed by him and whose relatives are working in DAE or its units.
12. **Contact for Technical information:** (Only E-mail enquiries will be entertained)

Mr. Ajit Kumar Mohanty
SA-C (Mechanical),
Institute Works Department, NISER.
E-mail : ajitmohanty2015@niser.ac.in

NOTE:

A person shall be deemed to be a relative of another if, (a) they are members of a Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner : Father, Mother (including step mother), Son (including step son), Son's wife, Daughter (including step daughter), Father's father, Son's son, Son's wife, Son's daughter, Son's daughter's husband, Daughter's husband, Daughter's son, Daughter's son's wife, Daughter's daughter, Daughter's husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

13. The Bid shall remain valid for a minimum period of 90 days from the date of opening of the tender for the purpose of acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
14. The tenderer should see and obtain the drawings. In case of any queries, necessary clarifications may please be sought from the office of the Scientific Officer-C (Mechanical). No claim whatsoever will be entertained in this regard for any alleged ignorance, thereof.
15. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility to site, nature and extent of ground, working condition of site and locality including stacking of materials, conditions affecting accommodations and movement of labour, etc.,

which are required for satisfactory execution of the work. No ignorance of the same, whatsoever shall be entertained under any circumstances.

16. EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.
17. Some of the provisions of the contract are given below.
 - a). **DEFECT LIABILITY PERIOD - Twelve months** from the date of completion as certified by the authorized engineer.
 - b). **MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE**
Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Institute.
 - c). **SECURITY DEPOSIT** - A sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the contractor, till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as **Performance Security** within the period prescribed for commencement of work in the letter of award issued to him.
 - d) **COMPENSATION** – In the event of any delay in completion of the work beyond the scheduled period, the contractor shall pay an amount equal to one per cent of the total cost of work or such smaller amount as decided by Director of NISER (whose decision shall be final) as compensation to the institute, for every week that the work remains un-commenced or unfinished. Compensation to be paid shall not exceed ten per cent of the estimated cost of the total work as per award letter.
18. Stores to be issued: - No material shall be issued by the Institute. The responsibility for arranging all materials from approved manufacturer as per award letter lies with the contractor.
19. The rate quoted by the tenderer shall be **inclusive of Taxes** as per the Govt. rule. There will be deduction of TAX from every RA bill and also from the final bill of the contractor at the rate prescribed by govt. of India from time to time.
20. The successful bidder will be required to submit the names, qualifications and experiences of the supervising staff to be deployed for execution of the work. In case of any changes occurring during the course of execution of the said work, the same shall also be intimated by the bidder to the institute.
21. The tenderer should also submit the detail list of tools and plants/ machineries/ equipment, etc. that he proposes to place at the site of work.
22. The Contractor shall have to make his own arrangements for storage of materials required for execution of the work and NISER in any manner shall be held responsible for the storage and safe custody of the said materials at work site.

23. Electricity will be supplied to the site of work at one point only if required and Contractor can do onward distribution with metering arrangement as per the requirement. Electricity charges; if any will be recovered from the Contractor's bill based on meter readings towards its consumption.
24. Before commencement of the work, the contractor has to submit the list of tools and plants brought to the site of work. No items other than the list submitted will be allowed to be taken out from the work site.
25. All the mandatory testing charges will be borne by the contractor.
26. Cost escalation in any manner whatsoever, will not be accepted for the said work, where in the stipulated period of completion of work is 30 (Thirty) days or less.
27. The work will be executed as per CPWD guidelines and DAE works procedure under the supervision of Engineer-In-charge of NISER.

SCHEDULE OF QUANTITY

SL. No.	Job Description	Unit	Qty.
1	SINGLE BURNER COOKING RANGE, Dimension (inch) - 24''X24''X24'' Top in 16 swg thick 304 grade ss sheet, front in 18 swg thick ss sheet and 18 swg SS pipe legs with adjustable nylon bullet with recessed design heavy duty removable grates of cast iron T 35/G-10 Burner with Individual Pilot Flame. Preferred Make- SS-JINDAL / TATA, Burner should be IOCL approved burners	Nos.	5
2	SINGLE SINK, Dimension (inch) - 24''X24''X34''+6'' Top in 16 swg thick 304 grade SS sheet, 18 swg SS square legs with adjustable nylon bullet top suitable design for utility water and wash of utensils, 304 grade 18 swg SS under shelf down beeded on all sides. Preferred Make- SS-JINDAL / TATA	Nos.	1
3	MASALA TABLE WITH 2 B/S, Dimension (inch) - 24'' x 24'' x 34'' + 6'' Top: 16 SWG 304 grade SS Sheet. Legs: 18 SWG SS Pipes. Shelves: 18 SWG 304 Grade SS Sheet. The unit is to be mounted on bullet type adjustable feet. Preferred Make- SS-JINDAL / TATA	Nos.	1
4	TWO BURNER CHINESE COOKING RANGE, Dimension (inch) - 48''X24''X34''+6'' Top in 16 swg 304 grade ss sheet double beeded on 3 sides with drip-less edges, rear splash split tray of 16'' high with 16 swg SS pipe legs and adjustable nylon bullet feet with recessed design Chinese Burners T35 (2 nos.) with individual pilot flame. Preferred Make- SS-JINDAL / TATA, Burner should be IOCL approved burners	Nos.	1
5	THREE BURNER INDIAN RANGE, Dimension (inch) - 72''X24''X34''+6'' Top in 16 swg 304 grade ss sheet with drip-less edges and rear splash split tray of 16''high with 16 swg SS pipe legs and adjustable nylon bullet feet with recessed design Indian Burners G-10 with individual pilot burner. Preferred Make- SS-JINDAL / TATA, Burner should be IOCL approved burners	Nos.	1
6	CHAPATI PLATE with PUFFER, Dimension (inch) - 72''X24''X34''+6'' 12 mm hot M.S. chapatti Plate with 304 grade 16 swg body with 18 swg SS pipe legs and adjustable nylon bullet feet, 1 ½'' V-Burners - 4 Nos and individual pilot Burner with control Valve and puffer made out of C.I plate with holes. Preferred Make- SS-JINDAL / TATA, Burner should be IOCL approved burners	Nos.	1

7	RAJASTANI TANDOOR VAATI, Dimension (inch) - 30"X30"X36" TOP: 16 swg 304 grade SS sheet, LEGS: 18 swg 304 grade SS pipes, SHELVES: 18 SWG 304 grade SS sheet, The unit is to be mounted on adjustable nylon bullet feet. STRUCTURE: Top underneath by M.S. angles. Preferred Make- SS-JINDAL / TATA, Burner should be IOCL approved burners	Nos.	2
8	TANDOOR TABLE WITH 2 U/S , Dimension (inch) - 30"X30"X34" TOP:16 swg 304 grade SS sheet, LEGS: 16 swg 304 grade pipes, SHELVES: 18 SWG 304 grade SS sheet, The unit is to be mounted on nylon bullet type adjustable feet. STRUCTURE: Top underneath by M.S. angles. Preferred Make- SS-JINDAL / TATA, Burner should be IOCL approved burners	Nos.	2
9	S.S HOOD, Dimension (inch) - 48"X30"X20", 18 swg 304 grade SS, Preferred make - JINDAL / TATA	Nos.	2
10	S.S HOOD, Dimension (inch) - 72"X30"X20", 18 swg 304 grade SS, Preferred make - JINDAL / TATA	Nos.	2
11	S.S FILTER, Dimension (inch) - 24"X24", 304 grade SS, Preferred make - JINDAL / TATA	Nos.	12
12	SOUND LESS AXIAL FLOW FAN FOR HOT AIR VENTILLATION, 1.5KW/2 HP CG/ALMONARD MOTOR, 13500 CFM, Preferred make - CG / ALMONARD	Nos.	2
13	LPG line with GAS BANK (6 +6 CYLINDER MANIFOLD SYSTEM), 70 ft. long including gas bank. 6+6 (One set working another set standby) LPG cylinder bank of 14.2 kg each LPG cylinder with: 'C' class seamless steel pipe conforming to IS:1239 : 2" for gas bank pipe laying and 1" for rest pipe laying, with twin stage Pressure regulator - Upto 30 PSI (dial type) and supported with wall by providing adequate supports spacing not more than 1.5 mtr., fitted with flanges & accessories and isolation valves having ball valves of approved makes with LPG installation certificate having carbon steel body, SS ball and PTFE seat and all other fittings such as tees, reducers, unions, elbows etc. The piping shall be joined through welding by using welding electrode of ISI marked only. Care must be taken to prevent rusting of piping installation by providing red oxide primer coating and suitable sleeve of GI/wood shall be provided wherever the pipes are crossing through the walls/slabs etc. On completion, the LPG manifold complete with all accessories and individual components which are subjected to cylinder pressure shall be capable of withstanding a test pressure twice the working pressure. All the accessories, components used for installation of LPG pipeline system shall have the approval from Oil company i.e. IOCL/HP/BP. Isolation/shut off valves shall be ball valves with installation certificate for use in LPG pipelines and shall have carbon steel body, stainless steel ball and PTFE seat. The work includes supply, installation, testing and commissioning of LPG manifold and supply system with at least two coat paints as per LPG color norms. The items covered under scope of works shall include all those ancillary items which may be required to complete the work in all respect whether specifically mentioned or not. Fire fighting arrangements for LPG bank should be as per the guidelines of statutory body/local authority/local government. Preferred make - MS pipe of JINDAL / TATA	Ft.	70

14	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Nos.	1.00
15	Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular / round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of 0.8 mm sheet thickness complete as required.	SqM.	47.00
16	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CuM	0.75
17	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	SqM.	2.75
18	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	Kg	115.00
19	6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.	SqM.	2.75
20	Supplying, Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. 3 X 10 sq. mm Aluminum armored cable with double run 8 SWG GI earth wire (clamped with 1mm thick saddle) Make: Polycab / Finolex / Universal / NICCO / Torrent cable	Meter	120.00
21	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required. 3 X 10 sq. mm Aluminum armored cable (22mm) with double run 8 SWG GI earth wire Make: Braco / Cornet / Dowells	Set	8.00
22	Supply & installation of DOL starter for 1.5 KW 3-Phase (4-8 Amp) motor with interconnection.	Set	2.00

FIC (IWD)

Technical Specifications

1. Work should be carried out as per **IS 6044: 2000 guidelines**.
2. The materials & services to be provided by the tenderer under this contract shall to the technical specifications as laid down under this tender document and should be carried out to the complete satisfaction of the Engineer-in-charge.

SCOPE OF WORK

1. The party has to inspect the site thoroughly before participating in the tendering process. He has to fabricate the material on site as well as in the factory, but in case fabricate in the factory, the material should be prior checked and satisfied by our Engineer-in-charge.
2. The contractor has to engage suitably skilled/licensed workmen of various categories for execution of work & **supervised by supervisors / Engineer of appropriate qualification** & experience to ensure proper execution of work. They will carry out instructions of Engineer-in-charge & other senior officers of the Institute during progress of work.

MEASUREMENT AND RA/ FINAL BILL

1. The contractor shall submit his running and final bills with detail measurement for the purpose of payment & bills shall be processed by the various offices for payment, as per existing procedure.
2. The contractor shall extend all possible co-operations for checking the measurement. Decision of the engineer in charge (mechanical) of NISER shall prevail. In case of any dispute, the final decision lies with the Director of NISER, which shall be binding on both the parties.

OTHERS

If, the contractor has to remove/dismantle any old, damaged materials & fixtures etc. for the purpose of execution of the said work, the same shall be deposited with NISER Stock Yard along with the list of materials under intimate to the concerned Engineer in- Charge. No extra payment will be made by the institute for this purpose.