



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: -“Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani”

NIT No. &Date:-NISER/EMW-Civil/Academic/2016/27 Dt.22.03.2017

Estimated cost of tender: - ₹ Rs.18, 06,087.00

Completion time: - 90 (Ninety) days

This tender documents contains 20 (Twenty) pages.

NAME OF THE WORK

“Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani”

FIRST PART TECHNICAL BID

NOTE

The tenderer should enclose the following documents along with the Technical Bid otherwise tender will be summarily rejected.

- 1)
 - a) Self attested copy of works completed during the last seven years from Govt./Semi Govt. organization not below the rank of E.E as per NIT.
 - b) Self attested copy of valid Registration Certificate.
 - c) Self attested copy of PAN card.
 - d) Self attested copy of VAT clearance certificate.
 - e) The cost of tender paper for the bidders who submit the downloaded tender document and EMD amount in separate D.D's as per NIT.
- 2) Contractors shall enclose the above documents (self-attested) along with technical bid. Any conditional/ changed or altered bids are liable for rejection. The bidders shall sign all the pages of technical bid i.e. NIT, Architectural Drawing (if any), as acceptance of the terms and conditions.
- 3) Incomplete/Partial bid or bid not submitted in prescribed format will be rejected. Bids not submitted/received within stipulated date/time as per NIT will not be accepted.



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TENDER DOCUMENTS

File No. NISER/EMW-CIVIL/Academic/2016/27

Dated: 22.03.2017

Name of work: -“**Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani**”

I N D E X

Sl. No.	Particulars	Page No.	Remarks
1.	Notice Inviting Tender and General Term and Condition for works.	1- 8	First part i.e. Tech. Bid
2.	Detailed list of completed works by the Contractor	09	-Do-
3.	Detail credential of the Contractor	10	-Do-
4.	Schedule of Quantities	11-17	Second part i.e. Financial Bid
5.	Summary Sheet	18	-Do-
6.	Abstract of cost	19	-Do-
7.	Technical Specifications and other conditions of work	20	
8.	C.P.W.D. Specifications Civil work	Available in the office of the SO-D (Civil) of NISER, Jatni.	

NOTE: The tenderer should confirm before submission of the bid that they are in possession of all the above papers. All the documents issued are to be submitted along with the bid, duly signed by the tenderer while submitting the bid, as acceptance of the terms and conditions of NIT. **Please place the tender in two envelopes (First Part-Technical and Second Part-Financial) and both the tenders should be placed together in the third envelope, by super scribing the name of the work and tender no., date, addressed to the Administrative Officer-III, Estate Management. The contractors, who fail to qualify the Technical Bid, will not be considered for evaluation of the Financial Bid.**

TENDER ISSUED TO:

M/s. _____

Telephone No. _____

Sd/-
Registrar, NISER



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NOTICE INVITING TENDER

Director NISER invites sealed tender on two bid system (Technical Bid and Financial Bid) for the following work:-

NIT No. NISER/EMW-CIVIL/Academic/2016/27

Dated: 22.03.2017

Name of the work: - **“Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani”**

Estimated Cost	:	Rs.18, 06,087.00
Earnest Money	:	Rs.36, 122.00
Period of Completion	:	90 (Ninety) Days.
Cost of tender (non-refundable)	:	Rs. 500/- (Rupees five hundred only)

Last date of sale of tender: **03rd April, 2017 up to 3.30 p.m.**
 Last date of receipt of Tender: **05th April, 2017 up to 2.00 p.m.**
 Date of opening of Tender (Technical Bid): **05th April, 2017 at 3.00 p.m.**

Sd/-
Registrar, NISER



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Tender Notice

Director NISER invites sealed tender in two parts for the following work from **registered civil contractors** of CPWD, MES, Railways and State PWDs and /or those who have worked for DAE or its Laboratories or Govt. / Semi Government Organizations and successfully carried out minimum One/Two/ Three similar works of 80%/60%/40% respectively of the estimated cost and above during last seven years need apply with proof of fulfilling the above conditions along with photo copy of PAN CARD and up to date VAT clearance certificate. The proof of completed works should be in proper order mentioning the name of work, estimated cost, tendered amount, Gross value of work done, Date of commencement as per agreement & actual, date of completion as per agreement & actual and whether levied due to delay from the officer not below the rank of Executive Engineer (Civil).

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the past details, mentioning the name of work, estimated cost, tendered amount, gross value of work done, 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 (Civil).

Name of Work	Estimated Cost ₹	Earnest Money ₹	Duration of work
Name of the work: - Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani. NIT No. NISER/EMWCIVIL/Academic/2016/27 Dated: 22.03.2017	18, 06,087.00	36, 122.00	90 (Ninety) Days

The tender document can be down loaded from the Institute's website <http://www.niser.ac.in> & submitted along with tender cost of ₹500.00 & EMD of ₹36,122.00, separately in the form of A/C payee DD/ Banker's cheque drawn on any scheduled Bank, in favor of Finance Officer, NISER.

The tender documents are to be submitted in two parts in separate sealed cover. The documents in support of eligibility criteria of the contractor, Technical bid, tender cost and EMD are to be submitted in a sealed cover super scribing as Technical Bid (first part). The second part with scheduled items of work & price quoted are to be submitted in a separate sealed envelope super scribing as Financial Bid. Both the envelopes are to be put together in another envelope and the same should mention the name of work, address of contractor and date of opening. Bids complete in all respects will be accepted up to **2.00 PM on 05th April 2017** and **technical bid will be opened at 3.00 PM on 05th April 2017 in the Office of the Scientific Officer-D (Civil)**. Those who qualify the technical bid shall be intimated later mentioning the date of opening of the financial bid.

Director 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.

Sd/-
Registrar, NISER

General Terms and Conditions:

1. Sealed tenders are hereby invited for the work of -“**Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani**” The estimated cost of work is **₹18, 06,087.00/-**(based on DSR-2016). The Earnest Money Deposit is **₹36, 122.00/**. Registered/ empaneled contractors of CPWD, MES, Railways and State PWDs and /or those who have worked for DAE or its Laboratories or Govt. / Semi Government Organizations and successfully carried out minimum One/Two/ Three similar works of 80%/60%/40% respectively of the estimated cost and above during last seven years need apply with proof of fulfilling the above conditions along with photo copy of PAN CARD and up to date VAT clearance certificate. The proof of completed works should be in proper order mentioning the name of work, estimated cost, tendered amount, Gross value of work done, Date of commencement as per agreement & actual, date of completion as per agreement & actual and whether levied due to delay from the officer not below the rank of Executive Engineer (Civil).

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the details of the past work, mentioning the name of work, estimated cost, tendered amount, gross value of work done, 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 (Civil).

2. The estimated cost of the work is **₹18, 06,087.00/-**(**Rupees Eighteen Lakh Six Thousand Eighty Seven Only**) (as per DSR- 2016).
3. Period for completion of the work will be **90 (Ninety) days** and the date of commencement shall be reckoned from the tenth day of issue of award letter.
4. The tender documents can be made available at the office of the Scientific Officer-D (Civil), on written request along with the tender cost through DD. No cash will be accepted towards tender cost.
5. Tenders should be submitted in the prescribed format (Non-transferable), which may be down loaded from NISER website: www.NISER.ac.in, or collected from the office of the Scientific Officer-D (Civil) by depositing the tender cost of **₹500/-**(**Rupees Five hundred only**) through A/c payee DD or pay order from any scheduled bank drawn in favor of the Finance Officer, NISER. In case of downloaded tenders, the cost of tender document shall be submitted along with the technical bid. Please note that tender documents are not transferable.
6. Tender documents are to be submitted in two parts in separate sealed covers. The First part shall consist of the technical Bid including the cost of tender (if downloaded), EMD and the documents in support of eligibility criteria. The second part shall contain the financial bid showing the detail schedule of work & to be sealed in a separate envelope super scribing the name of work, address of contractor and date of opening. Tenders complete in all respects, will be accepted up **2.00 PM on 05th April 2017** and **technical bid will be opened at 3.00PM on 05th April 2017**. Please note, that bids submitted without tender cost (if downloaded) and EMD are summarily being rejected.

Tenders should be dropped in the Tender Box before the closing date and time indicated above or should be send by regd. /speed post to **Scientific Officer-D (Civil)** of NISER at **Jatni Campus, Bhipur, Dist: Khurda, Pin-752050** to ensure that the same reaches before the date and time indicated above. Late or delayed tenders are liable for rejection.

7. The Earnest Money amounting to **₹36, 122.00 (Rupees Thirty Six Thousand One hundred Twenty Two only)** as demand draft or pay order from any scheduled Bank and drawn in favor of the Finance Officer of NISER should be deposited along with the tender documents in first part (Technical bid). Tender received without earnest money will be invalid and rejected.
8. Director 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. The decision of the Director shall be final in this regard.

9. Canvassing in any manner or form will lead to rejection of the Bid.
10. The tenderer shall not be permitted to bid for works in any unit of DAE where any of his/her relatives reemployed. 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.

NOTE: The tenderer shall give a list of both Gazetted and non-gazetted employee in DAE, who are related to him. The contractor shall not be permitted to tender for works in the Department (responsible for award and execution of contracts) in which his near relative is posted as equivalent to Accounts officer or as an officer in the capacity of grades Scientific Officer/ "C" and above. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relative to any gazetted officer in the DAE. Any breach of this condition by the contractor would render him liable to be barred from tendering in this organization.

No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in all Engineering Department of the Govt. of India is allowed to work as a contractor for a period of One year after his retirement from Government Services, without the previous permission of the Govt. of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Govt. of India as aforesaid before submission of the tender or engagement in the contractor's service.

A person shall be deemed to be a relative of another if, and only 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 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.

11. 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.
12. The Tenderer shall quote the rates both in figures as well as words. The cost of individual items shall also be worked out and mentioned in the financial bid (both in figures and words). On check if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the following procedure shall be followed
 - i) When there is a difference between the rates in figures and in words, the rates, which correspond to the amounts worked out by the bidder for individual items, shall be reckoned.
 - ii) In case, the amount of an individual item is not mentioned by the bidder or it does not correspond with the rate written either in figures or in words, the rate quoted by the bidder in words shall be reckoned.
 - iii) In case the rate quoted by the bidder, both in figures and in words tallies but the amount is not worked out correctly, the total rate quoted by the bidder shall be taken as correct.
13. 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-D (Civil). No claim whatsoever will be entertained in this regard for any alleged ignorance, thereof.
14. 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.

15. **EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.**
16. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed tender form. Tenderer who are desirous to offer rebate the same should be brought out separately in the covering letter and submit along with the financial bid.
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. There will be deduction of VAT/IT/WCT 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. Water charges @1% will be deducted from the Contractor's bill.
24. The power will be supplied on request at one point within 50 meter of the building premises. The contractor shall install his own main switch, energy meter, cables, electric board/switch room etc of adequate capacity and of suitable type to receive, control and further distribute the power involved. The exact location and further details about the supply point will on receipt of the contractor's application be decided upon by the Department, whose decision in the matter will be final and binding. The total final connected load and the anticipated maximum demand shall be furnished by the contractor about one month in advance of the actual initial requirement and for any addition in load subsequent to initial supply, at least one week's notice from the date of submission of installation test report for the said additional load will be given. The electricity charges will be deducted from the contractor's bill as per actual meter reading.
25. 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.
26. All the mandatory testing charges will be borne by the contractor.

27. Cost escalation in any manner whatsoever, will not be accepted for the said work, where in the stipulated period of completion of work is 18 (eighteen) months or less.
28. All the materials shall be tested and inspected in the presence of Department of their representative. Test certificates of all components shall be made available for approval of the Department.
29. No materials/equipment shall be shipped to site unless it is inspected, tested and certified for acceptance by the Department or their representative at factory as per latest additions IS, BS and other applicable standards.
- 30. The tenderer shall show all the original documents which he/she has furnished in the tender within two working days after opening of technical bid, else otherwise financial bid of the tenderer will not be considered.**
31. The work will be executed as per CPWD guidelines and DAE works procedure under the supervision of Engineer-In-charge of NISER.

Sd/-
Registrar, NISER

List of completed works by the Contractor:

Detail list of works, completed satisfactorily during last seven years (minimum 3), the value of such completed works should be approximately of the same value or near to the value of the present work, for which tender is being submitted by the contractor to NISER

Name of works	Location of site	Value of Work	Name of organization/engineer in charge under whom the work is completed

N.B:- The copy of work order and completion certificates from the organization may be attached.

Signature with seal of the Bidder

DETAIL CREDENTIALS OF THE CONTRACTOR

Contractors shall fill this form and enclose it with the original copy of tender (Technical Bid)

Name of the Contractor _____

Firm of the Contractor _____

Telephone No. (Official) _____

Office Address _____

Residential Address: _____

Is the firm limited? : Yes/No.

Give name and address of partners:

Name (s) Address (s)

(a)

(b)

(c)

Partnership deed (Please enclose self-attested copy with the bid)

Name of Bankers M/s. _____

Power of Attorney Please enclose attested copy/original Power of

Attorney in case of firm

NAME AND ADDRESS OF PERSON HOLDING POWER OF ATTORNEY

Name _____

Address _____

Specimen signature, of persons holding Power of Attorney.

Registration particulars:-

1. Registered with:
2. Registration No.:
3. Financial limit up to which registered:
4. Trade for which registered:
5. Details of BUILDING (if any):
6. Details of Furniture (if any):
7. Details of Electrification(if any):
8. Details of Sanitary Installation (if any):
9. Details of Earthwork (if any):
10. Supply of materials:

Signature with seal of the Bidder

NAME OF THE WORK

“Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani”

SECOND PART **FINANCIAL BID**

(NIT No. -NISER/EMW-Civil/Academic/2016/27 Dt.22.03.2017)

NOTE

Tenderers are requested to quote against individual items legibly and arrive at the total cost of work. All pages of second part i.e. the price bid should be duly signed by the tenderer failing which tender may be rejected.



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Name of work: - **“Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani.”**

SCHEDULE OF QUANTITIES

Sl. No	Description	Qty.	Unit	Rate	Amount
1.	<p>Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For fixed portion. Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).</p> <p>Rate in Word:</p>	2300.63	Kg.		
2.	<p>Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, door handle of approved make all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required. Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</p> <p>Rate in Word:</p>	426.56	Kg.		

3.	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge. Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side. Rate in Word:	197.89	Sq. M		
4.	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer in- Charge. (Cost of aluminum snap beading shall be paid in basic item): With float glass panes of 5.5 mm thickness. Rate in Word:	79.12	Sq. M		
5.	Providing and fixing Anodized Aluminum handles 125 mm with plate 175 x 32 mm with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminum. Rate in Word:	27.00	Nos.		
6.	Providing and fixing aluminum round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminum. Rate in Word:	34.00	Nos.		
7.	Providing and fixing aluminum extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete. Rate in Word:	24.00	Nos.		
8.	Filling the gap in between aluminum frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer in- Charge complete. Rate in Word:	284.25	Meter		
9	Providing and fixing 100 mm brass locks (best make of approved quality) for aluminum doors including necessary cutting and making good etc. complete. Rate in Word:	21.00	Nos.		
10	Providing and fixing aluminum hanging floor door stopper, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Single rubber stopper. Rate in Word:	20.00	Nos.		

11	<p>Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12-6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved color and shade with reflective soft coating on surface # 2 of approved color and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, desiccants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (i) Colored tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m² degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.</p> <p>Rate in Word:</p>	89.09	Sq. M		
12	<p>Providing and fixing aluminum tower bolts, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS: 1868), transparent or dyed to required color or shade, with necessary screws etc. complete: 250x10 mm.</p> <p>Rate in Word:</p>	45.00	Nos.		
13	<p>Providing and fixing aluminum Sliding Door with Roller from G-Channel with necessary accessories and screws etc. complete.</p> <p>Rate in Word:</p>	30.00	Nos.		
14	<p>Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.</p> <p>Rate in Word:</p>	2290.40	Kg.		
15	<p>Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.</p> <p>Rate in Word:</p>	138.33	Sq. M		
16	<p>Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.</p> <p>Rate in Word:</p>	66.08	Sq. M		

17	<p>Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture.</p> <p>Rate in Word:</p>	114.52	Sq. M		
18	<p>Dismantling aluminum/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.</p> <p>Rate in Word:</p>	89.60	Sq. M		
19	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm center to center, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm center to center, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm center to center, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm center, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square. 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I. (Dismantled items will be used. Contractor has to provide only labour part, screws, joint filler, finisher, tape, primer, dash hold fastener etc.).</p> <p>Rate in Word:</p>	21.70	Sq. M		

20	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square. 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I.</p> <p>Rate in Word:</p>	16.00	Sq. M		
21	<p>Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture.</p> <p>Rate in Word:</p>	37.20	Sq. M		
22	<p>Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturer's specifications. Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm.</p> <p>Rate in Word:</p>	72.25	Sq. M		
23	<p>Providing and fixing anodized aluminum grill (anodized transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm center to center, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodized aluminum standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).</p> <p>Rate in Word:</p>	34.72	Kg.		

24	Providing and fixing aluminum hanging floor door stopper, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required color and shade, with necessary screws etc. complete. Twin rubber stopper. Rate in Word:	5.00	Nos.		
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Total: Rs. _____

(Rupees _____ only)

(Total Twenty Four items only)

No. of Corrections :

No. of Over writings:

**Signature of tenderer
With date & address.**

NOTE

Bidders are required to quote against each item legibly and arrive at the total cost of work. The summary sheet and abstract of cost should be filled in properly. All pages should be duly signed by the bidder failing which the tender may be rejected.



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)

TENDER DOCUMENTS

(NIT No. -NISER/EMW-Civil/Academic/2016/27 Dt.22.03.2017)

Tender for “Provision of Window Grill to SPS Building and Aluminum Partition to SPS, SBS, SCS & Library Building, NISER, Jatani.”

SUMMARY SHEET

1. Brought forward from Page No-12.	Schedule of quantities:	Rs.
2. From page No- 13	-do-	Rs.
3. From page No- 14	-do-	Rs.
4. From page No- 15	-do-	Rs.
5. From page No- 16	-do-	Rs.
6. From page No- 17	-do-	Rs.

TOTAL

(Rupees _____
 _____)

C.O. to Page - 19

ABSTRACT OF COST Rs. _____

SIGNATURE OF THE TENDERER



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
 (परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
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ABSTRACT OF COST

TOTAL COST BROUGHT FORWARD FROM PAGE 12 to 17

(Rupees _____)

_____) only

SIGNATURE OF THE TENDERER

Other Specifications

1. **Work should be carried out as per CPWD Civil specification.**
2. Only quality materials of reputed make as specified in the tender will be used in work.
3. The contractor shall 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. He has to sign the MB Book as an acceptance to the measurements carried out by the engineer in charge of NISER, based on which the RA/Final Bill shall be generated for payment.
2. The contractor shall extend all possible co-operations for checking the measurement. Decision of the Engineer in Charge (Civil) 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 wiring & 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 or Scientific Officer-D (Civil). No extra payment will be made by the institute for this purpose.

SIGNATURE OF THE TENDERER