



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: - Interior and furnishing works for Amphitheatre and Courtyard at Auditorium Complex, NISER, Jatani.

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/11/A, Dated: 15.02.2019.

Estimated Cost of Tender: - Rs 44, 20, 138.00

Completion Time: - 45 days

Earnest Money : - Rs.88, 403.00

Cost of tender (non-refundable):- Rs. 500.00 (Rupees Five Hundred Only).

NOTE:

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 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.
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 DOCUMENTS

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/11/A, Dated: 15.02.2019.

Name of work: “Interior and furnishing works for Amphitheatre and Courtyard at Auditorium Complex, NISER, Jatani.”

I N D E X

Sl. No.	Particulars	Remarks
1.	Particulars of Contractor	First Part- Technical Bid
2.	Eligibility Criteria	
3.	Abstract of general terms and conditions	
4.	Checklist of documents	
5	Experience of Contractor	
6	Bill of Quantities	Second Part - Financial Bid

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

SIGNATURE OF THE OFFICER ISSUING TENDER

NAME OF THE WORK

Interior and furnishing works for Amphitheatre and Courtyard at Auditorium Complex, 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) Scanned copy of self-attested works completion certificate during the last seven years from Govt./Semi- Govt. organization not below the rank of E.E as per NIT.
 - b) Scanned copy of self-attested valid Registration Certificate.
 - c) Scanned copy of self-attested PAN card.
 - d) Scanned copy of self-attested GST Registration certificate.
 - e) Scanned copy of the cost of tender paper for the bidders and EMD amount in separate D.D's as per NIT.
- 2) Also, contractors shall submit the above documents (self-attested) with original for verification before opening of technical bid for verification with original DD for EMD and cost of tender. The bidder those who will not submit the self-attested hard copies of required documents in the office, the technical bid of the bidder will not be opened.
- 3) Incomplete/Partial bid or bid not submitted in prescribed format will be rejected.



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NOTICE INVITING TENDER

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

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/11/A, Dated: 15.02.2019.

Name of the Work: - **Interior and furnishing works for Amphitheatre and Courtyard at Auditorium Complex, NISER, Jatani.**

Estimated Cost	:	Rs 44, 20, 138.00
Earnest Money	:	Rs.88, 403.00
Time of Completion	:	45 Days
Cost of tender (non-refundable)	:	Rs. 500.00 (Rupees Five Hundred Only)

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

Last date of submission of tender (online):	25 February, 2019 up to 12.30 PM.
Original EMD & Tender Paper cost submission at Office:	25 February, 2019 upto 3.45 PM.
Tender Opening date (Technical Bid):	25 February, 2019 at 04.00 PM.
Tender Opening Date (Financial Bid):	27 February, 2019 at 03.00 PM

Registrar, NISER



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Tender Notice

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/11/A, Dated: 15.02.2019.

Director, NISER hereby invites item rate tender in two parts for the following work of “**Interior and furnishing works for Amphitheatre and Courtyard at Auditorium Complex, NISER, Jatani**” from contractors of CPWD/MES/Railways/State PWDs and/or those who have worked for DAE or its Organizations or Govt. /Semi Government organizations and have successfully carried out a minimum of one/two/three similar works of 80%/60%/40% respectively from any of the aforesaid organizations of the estimated cost or above as indicated below, during the last seven years. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise the bids bear the risk of not being considered. The eligible contractors are also required to submit the self-attested copies of PAN Card, Registration and GST Registration certificate.

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).

Estimated Cost	EMD	Performance Security	Security Deposit	Time of completion
Rs.44,20,138.00	Rs.88,403.00	@ 5% of tendered amount	A sum @ 5% of the gross amount of the bill shall be deducted from each running bill till the sum amounts to Security Deposit @ 5% of the tendered amount of the work.	45 days from the date of receipt of acceptance letter/ submission of PG

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER. Tender documents for viewing only are also available in NISER website address: www.niser.ac.in. The **tender cost of Rs. 500.00 & EMD of Rs. 88,403.00**, separately in the form of A/C payee DD/ Banker’s cheque drawn on any scheduled Bank, in favor of **Director, NISER**.

The tender documents are to be submitted in two parts (Technical & Financial Bid). Self-attested documents in support of eligibility criteria of the contractor, Technical bid, tender cost and EMD are to be uploaded online. The second part with scheduled items of work & price quoted are to be uploaded in prescribed format as Financial Bid. The bidders those who are applied online have to submit the hard copies along with original documents mentioned in NIT on or before **25 February, 2019 upto 3.45 PM and Technical bid will be opened at 04.00 PM on 25 February, 2019**. Those who qualify the technical bid, their financial bid will be opened on **27 February, 2019 at 3.00 PM**.

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.

Registrar, NISER

General Terms and Conditions:

1. Online item rate tenders are hereby invited for the work of “**Interior and furnishing works for Amphitheatre and Courtyard at Auditorium Complex, NISER, Jatani**”. The estimated cost of work is **Rs. 44, 20, 138.00**. The Earnest Money Deposit is **Rs. 88,403.00**. Contractors of CPWD/MES/ Railways/State PWDs and/or those who have worked for DAE or its units or in any Govt./Semi Govt. organizations and have successfully carried out minimum one/two/three similar work of 80%/60%/40% respectively from any of the aforesaid organizations of the estimated cost and above during the last seven years, The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise their bids bear the risk of not being considered. **The contractors those who are applied online also required to submit the self-attested copies of PAN CARD, registration, GST registration certificate EMD (Original) & Tender Paper Cost (Original) before opening of the technical bid on or before 25 February, 2019 upto 3.45 PM.**

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the 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).

2. The estimated cost of the work is **Rs. 44, 20,138.00** (Rupees Forty Four Lakh Twenty Thousand One Hundred Thirty Eight only).
3. Period for completion of the work will be **45 Days** and the date of commencement shall be reckoned from the seventh day of issue of award letter.
4. The tender documents can be made available for viewing only at NISER website www.niser.ac.in.
5. Tenders can only be viewed from website www.niser.ac.in. The cost of tender document (Non-transferable) shall be submitted along with the technical bid. Please note that tender documents are not transferable. Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER.
6. Tender documents are to be uploaded in two parts. The First part shall consist of the technical Bid including the cost of tender, EMD and the documents in support of eligibility criteria. The second part shall contain the financial bid showing the detail schedule of work. **Tenders complete in all respects, will be accepted through online up to 12.30 PM on 25 February, 2019. The Technical bid shall be opened at 04.00 PM on 25 February, 2019.** Please note, that bids submitted without tender cost and EMD are summarily being rejected. The bidder those who will not submit the self-attested hard copies of required documents in the office, the technical bid of the bidder will not be opened.
7. The Earnest Money amounting to **Rs. 88,403.00 (Rupees Eighty Eight Thousand Four Hundred Three only)** as demand draft or pay order from any scheduled Bank and drawn in favor of the **Director, 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 of the tender and the tenderer shall be bound to perform the same at the rates quoted. The decision of the Director shall be final in this regard.
9. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
10. The tenderer shall not be permitted to tender for works in the concerned unit of DAE in which a relative is posted in the grade between Controller of Administration and Scientific Assistant (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and who relatives are as mentioned above.

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 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 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 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.
13. **Performance Guarantee** is liable to be forfeited if the contractor fails to commence the work as per award letter.
14. 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 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, 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.

15. 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.
16. Taxes as applicable will be deducted 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.
17. The price quoted are inclusive of all taxes and duties and no taxes or duties will be paid extra. The Payment will be processed after the satisfactory completion of the work.
18. Escalation cost will not be given for the work which the stipulated period of completion is 18 (Eighteen) months or less.
19. The successful bidder will be required to inform 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.
20. 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 not be held responsible for the storage and safe custody of the said materials at work site.
21. Water charges @1% will be deducted from the Contractor's bill.
22. 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.
23. At the time of starting the work the contractor has to inform the list of tools and plants brought to the site work. No items other than the list submitted will be allowed to be taken out of the site.
24. The work should be executed during day time only for safety reason.
25. Tenderers shall inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the site and shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be

deemed to have full knowledge of the site whether he inspects it or not. Submission of a tender implies that the tenderer has read the complete contract documents and is aware of the conditions, specification of the work to be done and of the local conditions and other factors having a bearing on the execution of work. Any claim either for extra amount or for additional time for execution due to ignorance about the site and working condition is not payable.

26. It is the sole responsibility of the tenderer to ensure proper lightning/visibility, access (ladder etc.) and any other safety measures for the trained personnel during work.
27. The work will be executed as per CPWD, DAE procedure of work and direction of Engineer-In-charge.
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.

Registrar, NISER



National Institute of Science Education and Research, JATNI

Bill of Quantities

E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/11/A, Dated: 15.02.2019

Interior and finishing works for Amphitheatre & Courtyard at Auditorium Complex.

Name of the Vendor					
Sl. No.	Description of Items	Unit	Quantity	Rate in Figures	Amount
	DISMANTLING WORKS				
1	Removing wall and floor tiles / stone flooring / IPS of any type at all levels and floors, by using advanced mechanical tools and tackles, to ensure minimum noise and disturbance, including removing bed mortar / back plaster and disposing the debris with all leads and lifts complete as directed	Sqm	957.00		0.00
2	Removing / Breaking / Dismantling existing brick / laterite stone masonry at all levels and floors, carefully and without collateral damage, of any thickness including plaster, and disposing the debris with all leads and lifts complete as directed.	Cum	29.00		0.00
3	Removing / Breaking / Dismantling existing loose plaster in walls and ceiling, of any thickness at all levels and floors, as directed by E.I.C., carefully and without collateral damage and disposing the debris with all leads and lifts complete as directed. In case of any damage the same to be restored to original without any extra cost	Sqm	10.00		0.00
4	Demolishing RCC / PCC work at all levels and floors, manually / by mechanical means and disposing the debris with all leads and lifts complete as directed.	Cum	5.00		0.00
5	Core cutting holes at all levels and floors, of specified diameter in RCC Slabs & Beams / brickwork for passing service lines, etc. and repairing the hole after insertion of service lines, etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof. etc. complete (Note :- Measurement for payment shall be the depth of the cut)				
	i) Diameter 50 to 100 mm	CM	200.00		0.00
	ii) Diameter 100 to 150 mm	CM	200.00		0.00
	iii) Diameter 150 to 200 mm	CM	100.00		0.00
6	Dismantling existing Doors, Windows, Glazing, Rolling Shutter, Ventilators, etc (steel or wood or aluminum) at all levels and floors, manually or by mechanical means including frames, holdfasts etc. complete, stacking serviceable material as directed at site and disposing debris as directed with all leads and lifts complete	Sqm	1.00		0.00

	CONCRETE-PLAIN AND REINFORCED & REINFORCEMENT				
7	Providing and laying PCC 1:2:4 in steps , ramp , kerb wall , coping, levelling floors, anchor blocks etc including necessary shuttering, curing, viberating, compacting etc, at all heights and locations as directed by the Architect etc complete.	Cum	14.00		0.00
8	Providing and laying one coat of SBR Based bonding agent laid over concrete as per manufacturers specification and as directed by EIC	Sqm	10.00		0.00
9	Providing and laying micro-concrete of Polycrete-A or equivalent from approved manufacturer in line and level to match with existing layer, using epoxy bonding coat of Sunepoxy-358 or equivalent as per manufacturer's specification, curing, including form work etc. complete as directed (Rate is inclusive of bonding polymer coat)	Kg	20.00		0.00
10	Providing and applying POLYMER MODIFIED MORTAR(PMM) in proportion of 1(Polymer) : 5(Cement) : 15 (Quartz sand) by weight with water cement ratio of 0.35 including application of bond coat of Fosroc or equivalent using brush in ratio of 1 (Polymer) :1 (Cement) : 0.35 (water) by weight including cleaning of surface with air mixed with water under pressure, and subsequent layer upto 10mm after hardening curing, all complete, as approved & as directed by E.I.C.	Kg	20.00		0.00
11	Providing and installing galvanised mechanical Safety stud anchor HST3 M12x185 110/90 in concrete for supporting brackets for ladder etc including drilling holes, as per manufacturer's specifications, scaffolding, all tools and tackles, etc. (Anchor to be of HILTI make or equivalent)	Each	4.00		0.00
12	Providing and installing galvanised mechanical Heavy-duty anchors HSL-3 M20/30 in concrete for Base plate of Ladder / supporting brackets for column steel work, etc including drilling holes, as per manufacturer's specifications, scaffolding, all tools and tackles, etc. (Anchor to be of HILTI make or equivalent)	Each	4.00		0.00
	MASONRY WORKS				
	The cost of followings are deemed to have been included in the rate and, to be read along with items .				
	1) The items given below shall be as per "Masonry Work" of the specifications. 2) Rate should be inclusive of scaffolding, curing ,etc. 3) Only self supporting scaffolding will be allowed, no holes in masonry would be permitted. 4) Contractor will be responsible for making good all the surfaces of brick/block masonry wall in its original form wherever in chasing the wall is done for providing service lines like electrical, telecommunication and water supply and plumbing etc. 5) Only river sand and Portland Pozzolana cement (Fly ash based) shall be used.				

13	Providing and laying second class fly-ash brick masonry with conventional I. S. type brick in cement mortar 1:4 at all levels and floors including striking joints,raking out joints, scaffolding, curing etc. complete.	Cum	32.00		0.00
14	Providing and laying second class fly-ash brick masonry of 115 mm thickness with conventional I. S. type brick in cement mortar 1:4 at all levels and floors including the R.C.C band of 75 mm consisting of 2 nos. of 6mm mild steel round bars with 6mm binders at 150 mm centre to centre properly bent and bonded at ends, including striking joints,raking out joints, scaffolding, curing etc. complete	Sqm	25.00		0.00
PLASTERING AND POINTING					
The cost of followings are deemed to have been included in the rate and, to be read along with items. Note :					
1) The items given below shall be as per "Plastering" of the specifications. 2) Scaffolding for plastering shall be of self supporting type. Holes will not be allowed to be made in the masonry or RCC work for anchoring the scaffolding. 3) Only river sand should be used. Sand should be properly washed and screened to remove silt before using in plastering work. 4) Only Portland Pozzolana cement (Fly ash based)shall be used. 5) The rate shall include dense hacking of concrete surface required to be plastered. 6) Rate should be inclusive of drip moulds, all type of grooves as per the drawings ,scaffolding, curing. 7) Rate should be inclusive of water proofing compound as per manufacturer's specifications.					
15	Providing & appyling internal cement plaster 12 mm thick in cement mortar 1:4 with Birla Wallcare Putty or equivalent finish to brick masonry, block masonry or concrete surface in all positions and heights including scaffolding, curing etc. complete as per specification & drawings and as directed by E.I.C.	Sqm	50.00		0.00
16	Providing & appyling external sand faced cement plaster 20mm thick in two coats (12 mm base coat + 8 mm finishing coat) in cement mortar 1:4 to brick masonry, block masonry or concrete surface in all positions and heights including scaffolding, curing etc.complete as per specification & drawings and as directed by E.I.C	Sqm	275.00		0.00
17	Providing and fixing Glass fibre cloth mesh at the junction of R.C.C. members and brick work, of approved quality including fixing mesh in position by necessary nailing in concrete or / masonry and or tying by binding wire etc. complete.	Sqm	5.00		0.00
PAINTING AND POLISHING					
The cost of followings are deemed to have been included in the rate and, to be read along with items					

	1) The items given below shall be as per "Painting" of the specifications. 2) Rates for painting to plastered surfaces shall include the cost of approved proper primer treatment to new surface and ceilings prior to painting. Scaffolding at Contractor's cost, no holes in walls shall be allowed. 3) The rate for the items shall include the filling with cracks with approved crack filler as per manufacturer's specification, labour, materials scaffolding, watering if required, preparing the surface etc				
18	Providing and applying one coat of primer, synthetic enamel paint in two coats of approved colour and make, including scaffolding, preparing the surface by degreasing and removal of loose matter, levelling putty, etc. complete as directed by EIC.	Sqm	25.00		0.00
19	Providing and applying one coat of primer & two coats of acrylic emulsion paint of approved quality colour and make to internal wall and ceiling including scaffolding preparing the surfaces, levelling putty, etc. complete as directed by EIC.	Sqm	600.00		0.00
20	Providing and applying exterior grade acrylic elastomeric paint of approved colour and make, applying one coat of primer and two coats of paint including scaffolding, cleaning, preparing surface, applying crack filler etc. complete as per manufacturer's specification & as directed by E.I.C	Sqm	606.00		0.00
21	Providing and applying one coat of Primer & two coats of Premium acylic emulsion paint of approved colour and make, including scaffolding, cleaning, preparing surface, levelling, etc. complete as directed by EIC	Sqm	314.00		0.00
22	Providing and applying Heritage or equivalent make external textured finish of approved design,colour and shade, as per manufacturer's specifications and two coats of exterior grade acrylic elastomeric paint of approved colour and make with one coat of primer including scaffolding, cleaning, preparing surface, applying crack filler etc as per architectural requirement & as directed by EIC.	Sqm	278.00		0.00
FLOORING & CLADDING					
The cost of followings are deemed to have been included in the rate and, to be read along with items Note :					

	<p>1) The items given below shall be as per "Flooring" of the specifications. 2) At least 6 samples for all finishing items of work, from different approved sources shall be submitted before starting the work for approval. Engineer -in -charge decision regarding the shade, quality and the source is final. All like materials of flooring, cladding, etc to be from same batch as per approved sample. 3) All exposed stone edges to be mirror polished. 4) The rate for flooring / cladding should be inclusive of bedding / back coat plaster as specified. Additional bedding / backcoat required for levelling on site not be measured separately for payment. 5) For all vertical cladding, an approved chemical adhesive for tiles as per manufacturer's instructions shall be used and the rates quoted shall be inclusive of the cost of this adhesive. 6) The rate shall include dense hacking of concrete surface required to be cladded. 7) Scaffolding for cladding shall be of self supporting type. Holes will not be allowed to be made in the masonry or RCC work for anchoring the scaffolding. 8) No separate payment will be made for providing and fixing, odd sized tiles of any shape and size to suit Architect's requirement. 9) Rate shall be inclusive of grouting material required of approved shade. 10) The Contractor shall provide suitable supports for supporting the cladding tiles and remove it only after the tiles have firmly adhered to its location. 11) Edges of cladding tiles fixed on the corners of the columns and walls should be polished as per directive of Engineer-in-charge, or as indicated in the drawings. 12) The maximum thickness of the paste prepared by using tile adhesive and applied on the wall and column surfaces should be as per manufacturers specification. 13) The contractors are required to study drawings carefully to understand fixing details of flooring, skirting, cladding etc, to keep required grooves between different finishes at door and window locations, flooring and skirting junction, wall and ceiling junction etc to match flush line i. e. vertical plane of wall and skirting etc. 14) Rate shall be inclusive of cost of scaffolding at all heights, grouting, curing, final polishing by non-slip wax polish and cleaning of surfaces. 15) A sample/ mock up of flooring, cladding, etc to be got approved from, Engineer-in-charge. 16) All additional grooves to be provided in vertical, horizontal and direction as shown in detailed drawings without any extra cost to department. 17) To make wall cladding surface and skirting surface flush, wall at skirting level shall be required to recess inside as per fixing details. The necessary recesses in RCC wall etc. shall be taken at the time</p>				
23	Providing and laying in position polished Kota Stone flooring 550mm x 550mm of approved quality 25mm to 30mm thick in plain / diamond pattern on a bed of cement mortar 1:6 including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.	Sqm	5.00		0.00
24	Providing and laying in position skirting or dado of polished Kota Stone slab of approved quality 25mm to 30mm thick on plaster in cement mortar 1:4, including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.	Sqm	5.00		0.00
25	Providing and fixing 18-20 mm thick line polished, gangsaw cut Granite for window framing, door frame & for Floors etc. at all heights of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, jointed with standard epoxy Adhesive jointing of Araldite (Standard type) - including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. as directed by EIC.				
	i) For Window , Door , Jamb , Bench , etc	Sqm	79.00		0.00
	ii) For Floors	Sqm	5.00		0.00
	iii) To wall cladding /Dado	Sqm	5.00		0.00

26	Providing & fixing 600 x 600 mm, approx 8-10 mm thk. approved quality vitrified tile of approved shade and make on floor in perfect line & level in 1:4 cement mortar. Tile joints to be finished with grout of approved color and make and as per manufacturer's specifications, with necessary cutting, grinding edges, tapping and cleaning of tiled surface after completion of all the works etc. as directed by EIC.	Sqm	10.00		0.00
27	Providing & fixing 300 x 300 mm, approx 8-10 mm thk. Johnson Endura or equivalent, high traffic vitrified tile of approved shade and make on floor in perfect line & level in 1:4 cement mortar. Tile joints to be finished with grout of approved color and make and as per manufacturer's specifications, with necessary cutting, grinding edges, tapping and cleaning of tiled surface after completion of all the works etc. as directed by EIC.	Sqm	958.00		0.00
28	Machine polishing existing granite flooring in the courtyard including cutting of top surface and finishing to smooth matte finish as directed and approved by EIC.	Sqm	450.00		0.00
29	Providing and fixing 25 mm thick Wood Polymer Composite (WPC) decking of Straton or equivalent make, fixed on 25 x 50 x 1.8 mm thick aluminum tubes, with SS clips, SS screws and all accessories as per manufacturer's specification, as per drawing complete as directed by EIC.	Sqm	214.00		0.00
INTERIOR WORKS: CARPENTRY WORKS					
	Note: 1. Providing cut outs, holes, slits, depression etc. for electrical, air-conditioning fixtures, panels etc. and applying solignum on timber frames surface in side the partitions, panelling shall not be paid separately. 2. All internal portion of furniture shall be done with french polish unless mentioned otherwise and shall be paid separately. 3. All furniture includes the cost of fittings, fixtures and hardware and shall not be paid separately. 4. The cost should be inclusive of providing pest control to the entire carpentry works and shall not be paid separately. 7. All timber should be of certified wood stamping. 8. Plywood should conform to IS 710 (Marine Grade)				
30	Providing, fabricating and fixing in position Stainless steel (Grade 304) railing 40 mm diameter of maximum 1 m height etc., in brushed finished, including all accessories, fastners, spacers, etc as per detail design, using SS electrodes of same grade for welding, complete as directed.	Kg	350.00		0.00
31	Providing and fixing mirror panelling with 25X40x1.5mm aluminium box section @ 600X600mm C/C @ horizontal & vertically, 9mm thick marine plywood fixed on aluminium framework, & 6mm thick mirror of approved make, including all hardware etc. complete as per drawing or as directed.	Sqm	10.00		0.00
FALSE CEILING					

32	Providing and fixing Ecophon/ "AMF/ Armstrong" or equivalent make approved glasswool / mineral acoustical ceiling having 0.70 NRC value and board thickness of 12mm/ 15mm and 600mm x 600mm size with tegular edge on silhouette frame (with white reveal) fixed in position 15mm exposed system hot-dipped galvanized steel with white pre-coated exposed cap and the frame work shall comprise of 24mm x 38mm - main Tee, etc as per manufacturer's specification including making openings, T.W. framework for electrical and air-conditioning fittings etc. complete as directed . (Type C10 & C11)	Sqm	55.00		0.00
33	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 edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum moisture resistant board	Sqm	579.00		0.00
Total					0.00