



National Institute of Electronics and Information Technology, Kolkata

(An Autonomous body under Department of Information Technology,
Ministry of Communications & Information Technology (MCIT),
Government of India

Jadavpur University Campus, Kolkata-700 032

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TENDER DOCUMENT FOR

INTERIOR WORKS AT GR. FLOOR, 2ND & 3RD FLOOR OF B+G+III STORIED IT/ITES BUILDING OF NIELIT, KOLKATA CENTRE WITH ALL NECESSARY CIVIL WORK, CARPENTRY, FALSE CEILING AND INSTALLATION OF CCTV, DVR SYSTEM, BIO-METRIC TIME ATTENDANCE SYSTEM ETC. AT BF- 267, SALT LAKE, KOLKATA -700 064.

RELEVANT INFORMATION

1	TENDER NO. DATE	NIELIT/KOL/15-16/05 Dated: 10/11/2015	
2	NAME OF WORK	INTERIOR WORKS AT GR. FLOOR, 2ND & 3RD FLOOR OF B+G+III STORIED IT/ITES BUILDING OF NIELIT, KOLKATA CENTRE WITH ALL NECESSARY CIVIL WORK, CARPENTRY, FALSE CEILING AND INSTALLATION OF CCTV, DVR SYSTEM, BIO-METRIC TIME ATTENDANCE SYSTEM ETC. AT BF- 267, SALT LAKE, KOLKATA -700064	
3	COMPLETION OF WORK	04(Four) months from the date of issue of work order.	
4	ESTIMATED VALUE	Rs. 93,53,562 (Rupees ninety three lakhs fifty three thousand five hundred and sixty two only)	
5	EARNEST MONEY DEPOSIT (EMD)	2% (two percent) of estimated cost, of Rs. 1,87,071.00	
6	SECUTIRY MONEY (SD)	7% total as below a) 2% as earnest money b) 5% as security deposit on each RA bill & final bill	
7	TENDER FEES (Non refundable)	Rs. 3000.00 (Three thousand) by cash/DD in favour of NIELIT, Kolkata	
8	PRE BID MEETING	On 17/11/2015 at 3.00PM at NIELIT, Kolkata, J.U. campus, Kolkata-32	
9	LAST DATE & TIME OF SUBMISSION OF TENDER	04/12/2015 at 3.00 PM	
10	DATE & TIME OF OPENING OF TENDER	04/12/2015 at 3.30 PM	
11	ENQUARY DETAILS	Mr. Tamal Dasgupta Sukanya & Associates FD-224, Sec-III, Salt Lake, Kol - 106 PH- 919007405403	NIELIT, Kolkata, JU Campus, Kol-32 Ph.-033-24146081, 24146054
12	DATE & TIME OF PRICE BID OPENING FOR TECHNICALY QUALIFIED BIDERS	Would be informed over phone/Email to all qualified bidders.	

NOTICE INVITING TENDER

- 1 **NATURE OF WORK :** Interior works at GR. floor, 2nd & 3rd floor of B+G+III storied IT/ITES building of NIELIT, Kolkata centre with all necessary civil work, carpentry, false ceiling and Installation of CCTV, DVR system, Bio-Metric time attendance system etc. at BF- 267, Salt lake, Kolkata-700064
- 2 **ESTIMATED COST:** Rs. 93,53,562 (Rupees ninety three lakhs fifty three thousand five hundred and sixty two only)
- 3 **INVITATION:** Sealed Tenders, in Two bid system, are invited by the Director of NIELIT,(Doeacc Society), Kolkata from reputed agencies with sound technical and financial capabilities and having experience in similar interior and allied works for interior renovation of GR. floor, 2nd & 3rd floor of B+G+III storied IT/ITES building at BF- 267, Salt lake, Kolkata for NIELIT, Kolkata-700064
- 4 **SCOPE OF WORK :** Construction of all type wooden partition with door shutter, furniture, false ceiling etc. Supply and installation of CCTV, DVR system & cabling, Bio-Metric time attendance system etc.
- ELIGIBILITY CRITERIA :**
- 5 The Agencies/Contractors who have successfully completed at least one similar works, costing not less than the amount equal to 80% of the estimated cost, or two similar works costing not less than the amount equal to 70% of the estimated cost or three similar work costing not less than the amount equal to 60% of the estimated cost in last 3 financial years. The Agency / Contractor should have sound technical and financial capacity along with all valid licence and registration to execute such work.
- 6 **PURCHASE OF TENDER DOCUMENTS:** Interested Agencies/Contractors having ST, IT, VAT , PAN CARD, Bank Solvency registration certificates may collect Tender documents along with an application address to the NIELIT, Kolkata, J.U.Campus, Kolkata – 700032.
- 7 **SUBMISSION OF TENDER:** Each agency/contractor must submit the tender in sealed envelope consisting of full set of documents, duly filled up and signed and drop the same in the tender box placed in the entrance lobby on 3rd floor at NIELIT Kolkata, as per time schedule below.

- 8 **TIME SCHEDULE OF TENDER:** Last date of Submission of Tender : 04/12/2015 at 3.00 PM
Opening date of Tender: 04/12/2015 at 3.30 PM
- 9 **EARNEST MONEY DEPOSITED:** 2% (two percent) of estimated cost as Earnest Money in the form of Demand Draft has to be submitted along with tender. The Draft to be drawn in favour of "NIELIT,Kolkata", Payable at kolkata. After opening of the tender, the earnest money of lowest agency / contractor will be converted into security deposit and in case of all unsuccessful agency / contractors, the earnest money will be released within 1 month.
- 10 **TIME FOR COMPLETION OF WORK :** 04(Four) months from the date of issue of work order.

Encl:-

1. Instructions to tenderers
2. Terms & conditions
3. Technical bid
4. Price bid
5. Drawings
6. List of approved brands

INSTRUCTIONS TO TENDERERS

- 1 NATURE OF WORK : Interior works at Gr. floor, 2nd floor & 3rd floor of B+G+III storied IT/ITES building of NIELIT, Kolkata Centre with all necessary civil work, carpentry work with any type furniture, wooden partition, paneling etc. false ceiling and Installation of CCTV, DVR system, Bio-Metric time attendance system at BF-267, salt lake.

- 2 TWO BID SYSTEM: Tenderers are instructed to submit their tender as
 - 1) **Technical Bid** : Detail of the firm / company with the address, phone and name of one responsible person who will look after this work and his mobile no. valid / current trade license, I.T. clearance certificate, and all documents and credential as per format of technical bid as enclosed and along with EMD in the form of DD/pay order @ 2.0% of the estimated value. ALL THE ABOVE TO BE PUT IN ONE SEALED ENVELOPE (MARKED A) AND NAMED 'TECHNICAL BID'.

 - 2) **Price Bid** : Shall contain the tender documents duly signed and stamped on all pages as acceptance of all terms and conditions. Rate, amount and total to be filled up in the schedule of works. (Rates to be filled in figures and words). ALL THE ABOVE TO BE PUT IN ONE SEALED ENVELOPE (MARKED B) AND NAMED 'PRICE BID'. Price bid will be opened only for the bidder whose Technical bids have been found to be acceptable and the date of opening of price bid will be intimated later on.

 - 3) ENVELOPES 'A' AND 'B' TO BE PUT INSIDE ANOTHER BIG ENVELOPE AND SEALED AND ADDRESSED TO The Director, NIELIT, Kolkata, J.U. Campus, Kolkata - 700032. With tender No. and date.

- 3 SUBMISSION : Sealed tenders, duly filled, signed and stamped on each page by an authorized signatory of the tenderer must be dropped in the tender box, placed in the entrance lobby at, NIELIT, within 3.00 PM of dated 04/12/2015 on 3rd floor. Late submission due to any reason will not be accepted.

- 4 REJECTION OF TENDER IN TECHNICAL BID : Employer reserves the right to reject any tender which does not qualify, in his opinion, in the Technical bid or which be incomplete or conditional, without E.M.D or unsigned and unstamped and/or with over writing. And in such case(s) their price bid(s) will not be opened.

- 5 RETURN OF E.M.D: For all unsuccessful tenderers, the submitted E.M.D will be released within 1(one) month from the date of submission. Interest will not be paid

TERMS & CONDITIONS

- 1 EMPLOYER: The term employer shall mean NIELIT, **Kolkata** and its designated members/Officials, with its address as **Jadavpur University Campus, Kolkata - 700032.**
- 2 ARCHITECT: The term architect shall mean Sukanya & Associates and its designated representatives, With its address as FD 224, Salt Lake, Kolkata-700106
- 3 CONTRACTOR: The term contractor shall mean the person firm or company who shall be awarded the work.
- 4 SCOPE OF WORK : Interior works at GR. floor, 2nd & 3rd floor of B+G+III storied IT/ITES building of NIELIT, Kolkata centre with all necessary civil work, carpentry work with any type furniture, wooden partition, paneling etc. false ceiling and Installation of CCTV, DVR system, Bio-Metric time attendance system etc. at BF- 267, Salt lake, Kolkata, as detailed in the schedule of quantities to be done in compliance with all existing B.M.C & other applicable rules and regulations and including all materials of approved quality and tools, tackles, plant & machinery, scaffolding & shuttering & in conformity to drawings & instruction from time to time.
- 5 TIME OF COMPLETION : 04 (Four) months from the date of **issue of** work order.
- 6 EARNEST MONEY: 2.0% of the total quoted value, to be deposited in the form of pay order/ demand draft in favour of "**NIELIT,Kolkata**" , payable at Kolkata.
- 7 SECURITY MONEY : Security money @ 5.0% from each R.A bill & final bill will be deducted in addition to the 2.0% earnest money deposited along with the tender, to form 7.0% security deposit which shall be released after the expiry of the defect liability period of 12 (Twelve) months from the date of completion in all respects.
- 8 DEFECT LIABILITY PERIOD: 12 (Twelve) calendar months from the date of certified completion in all respects. During this period the contractor shall remain liable to rectify, replace, change any & all defective work, parts, fittings finishes as may be, in the opinion of the Architect/Engineer/Employer. If however the contractor fails to do the same **within 15 days**, the employer reserves the full rights of getting the said rectification / replacement done through any other agency at the cost & the risk of the contractor & the cost to be adjusted from the S.D.

- 9 LIQUIDATED DAMAGES: Unless by force majeure, if the work is delayed beyond four months the contractor shall be penalized @ 50,000/-per week or part thereof, subject to a **maximum** of Rs.5,00,000/. This amount is to be realized from final bill.
- 10 RATES: The contractor is advised to visit the site of the work to understand the nature of the work & difficulties, and any local condition that may effect his rates, before quoting. Rates must be quoted in figures & words. The quoted rates should include all taxes, levies, insurance premium & other expenses.(i.e, inclusive all)
- 11 MEASUREMENT: The measurement will be done as per the P.W.D guide lines and in the absent of same, as per the prevailing norms of practice. Payments will be done on the actual site measurements on measurement book certified by Architect and taken as per quoted rates. Defective & incorrect work shall not be measured.
- 12 AGREEMENT: The Contractor has to execute an agreement in a non-judicial stamp paper of Rs.100/-within 1 week of the work order , and submit the same in original to the employer. The draft of the agreement will be provided to the contractor along with the work order.
- 13 INSURANCE : The contractor has to indemnify the employer of all damages/ loss to life or property in executing the said work & for the same shall make an insurance policy as may be required with any Nationalized Insurance Company to cover all such damages/ loss of property & life and submit the policy to the employer after receiving of work order and agreement.
- 14 SUPERVISOR: The contractor shall depute a competent & qualified supervisor at all times to the site to supervise the work at all levels. Any written instruction given to the supervisor shall be deemed to be the instruction to the contractor.
- 15 SUB-CONTRACT : The contractor shall not sub let or employ any sub-contractor to execute any part of the work, unless the item of work requires specialized skill, and that must be with the approval of Employer.
- 16 CORRECTION/RECTIFICATION WORK: If any work is found to be defective or not compliance with the drawings/specifications, the same shall be demolished / replaced/rectified as per the direction of the architect & at the cost of the contractor. No payment for such work will be made.

17	STACKING STORAGE & SECURITY OF MATERIAL :	The Contractor shall stack & store all his materials, tools, tackles , & machinery in a specified area. He will be responsible for the security of the same & will also ensure that his materials are not littered around in different places at any time.
18	USING OF LOWER FLOORS AS PASSAGE:	The contractor may use the stair case(s) from lower floor for lifting of materials, provided that the stair & passage etc. are cleaned every day after use. If any damage is found that should be immediately repaired by the Contractor with his cost.
19	VIRTUAL COMPLETION & HANDING OVER:	After completion of all the work the contractor will clean the site, clear all debris & then make a completion letter to the architect. Only in the event that the Architect is satisfied with the completion of all the works & cleaning of the site, the work will be deemed to be virtually completed.
20	ACCEPTENCE OF TENDER:	The employer reserves the right to accept or reject any or all the tenders without assigning any reason. Also the employer is not bound to accept the lowest tender offer.
21	QUANTITY:	The quantity specified in the schedule are approximate & may vary up to 10%, moreover the employer reserves the right to reduce or cancel any item of work & also to introduce new items of work as per the advice of the Architect. Rates of new items of work will be as per cost analysis of the Architect or latest schedule of rates of PWD (W.B)
22	PAYMENT:	The contractor shall submit R.A bills of value not less 30.0 (Thirty) lacs for checking & certification to the Architect. After receiving the bills, duly certified by the Architect, payment will be made within 20 working days. All deductions like TDS, STDS, etc. will be applicable.
23	OCCUPATION BEFORE COMPLETION:	The employer reserves the right to occupy & use of any portion of the proposed area under construction/ renovation, however, this will not be deemed to be completed or handed over until the certification of the architect.
24	WORKING HOURE:	Work may be carried out during all weekdays & holidays (except National Holidays).Between 7 a.m & 7 p.m. If works needs to be carried out after 7 p.m necessary permissions from the employer and all concerned authorities will be taken in advance.

- 25 ADVANCE: No mobilization advance or payments against supply of materials at site will be made. Only works executed and the accepted will be measured and paid for
- 26 DISPUTE & DIFFERENCE: In case there be any dispute regarding the work, this tender notice, drawings & instructions, measurement & payment, the decision of an independent arbitrator appointed by Client/Architect & Contractor will be final and binding upon all parties.
- 27 COMMENCEMENT OF WORK: Within 7 days from the date of receipt of order.
- 28 FORFEIT OF EMD: If the contractor fails to start the work within the stipulated time of 10 days from receipt of the work order, the employer will be at liberty to cancel the work order and forfeit the EMD, without any intimation in advance. However the contractor will have all liberty to intimate the employer in advance of any such delay in starting the work due to valid reasons.
- 29 VALIDITY OF QUOTATION : The price quoted by the contractor will remain valid for the entire tenure of the work until completion, if the work order is issued within 2 (two) months from the date of submission.

Sd/-
National Institute of Electronics & Information Technology, Kolkata

TECHNICAL BID

Submission of technical bid for interior works at GR. floor, 2nd & 3rd floor of B+G+III storied IT/ITES building of NIELIT, Kolkata centre with all necessary civil work, carpentry work with any type furniture, wooden partition, paneling etc. false ceiling and Installation of CCTV, DVR system, Bio-Metric time attendance system etc at BF- 267, Salt lake, Kolkata-700064,

Tender No. NIELIT/KOI/15-16/05

dated: 10/11/2015

SL. NO.	DOCUMENTS NEED TO BE SUBMITTED	WHETHER SUBMITTED TICK (YES/NO)		REF. PAGE NO.	RELEVANT DETAILS	REMARKS
01.	Tender Document fee	Yes	No		DD No: Date: Bank Name: Amount: In Favour of "NIELIT Kolkata" Payable at : Kolkata	
02.	Earnest Money Deposit (EMD)	Yes	No		DD No: Date: Bank Name: Amount: 2% of total estimated cost In Favour of "NIELIT Kolkata" Payable at : Kolkata	
03.	Certificate of Registration of firms or Partnership	Yes	No			
04.	Proof of office address (telephone bill, electricity bill etc.)	Yes	No			
05.	Trade License	Yes	No			
06.	Labour License					
07.	PAN Card	Yes	No			
08.	VAT Registration No.	Yes	No			
09.	Average annual financial Turnover during the last 3 (three) years ending 31 st March of the previous financial year should be a least 30% of the estimated cost (Copies of Annual Turnover Certificate duly certified by a Chartered Accountant / self to be enclosed)	Yes	No			
10.	Service Tax Registration No.	Yes	No			

11.	Experience of having successfully completed One similar works, costing not less than the amount equal to 80% of the estimated cost, or two similar works costing not less than the amount equal to 70% of the estimated cost or three similar work costing not less than the amount equal to 60% of the estimated cost, all in last 3 financial years.	Yes	No				
12.	Income Tax Return and Audited Balance Sheet of the last 3 years	Yes	No				
13.	List of Clients at Kolkata Region along with copies of relevant work orders and timely completion certificates for last 3 (three) years	Yes	No				
14.	Declaration that the firm has not been banned or de-listed by any Govt. or quasi Govt. Agency or public sector undertaking in the form of AFFIDAVIT	Yes	No				
15.	Affidavit/power of Attorney stating the capacity and the authority of the person signing on behalf of the firm	Yes	No				
16.	An undertaking by the agency for Acceptance & Compliance of all terms & conditions mentioned in this tender above which should be clearly mentioned that the agency/services provider will be fully liable for all statutory obligations to the principal employer and for all obligations during and after the period of contract	Yes	No				
17.	Whether signed by authorized signatory on all pages of the tender	Yes	No				

The above terms and conditions accepted.
Date & Signature, Name and Address of the Contractor

PRICE BID

PRICE SCHEDULE OF QUANTITIES

SCHEDULE OF WORKS FOR INTERIOR WORKS AT GR. FLOOR, 2ND & 3RD FLOOR OF B+G+III STORIED IT/ITES BUILDING OF NIELIT, KOLKATA CENTRE WITH ALL NECESSARY CIVIL WORK, CARPENTRY, FALSE CEILING AND INSTALLATION OF CCTV, DVR SYSTEM, BIO-METRIC TIME ATTENDANCE SYSTEM ETC. AT BF- 267, SALT LAKE, KOLKATA -700064.

SL. NO.	DESCRIPTION OF WORK	UNIT	QUANTY	RATE (Rs)	Amount(Rs.) including all taxes
1	Supply, fitting & fixing of full height partition including door shutters with all necessary fittings, made of 60 x 50mm hard wood framework as required and 6mm BWR plywood topped with 1.0 mm thick approved colour laminate fixed on both sides and having 2 layers of felt and 50mm thermocoal infill, complete with nail, screw, adhesive etc. as per design with matching polished wooden lipping as per design.	Sqmt	420.000		
2	Fabrication, fitting and fixing of full height paneling to walls with 32 x 50mm treated and dried hard wood framework screwed to wall @ < 600mm c/c vertically and horizontally, 6mm BWR plywood topped with 1mm laminate on top surface, complete with nail, screw, adhesive etc. as per drawings and instructions	Sqmt	140.000		
3	Fabrication, fitting and fixing of full height acoustic paneling on walls made of 32 x 50mm treated and dried hard wood framework screwed to wall @ < 600 mm c/c vertically and horizontally, 6mm BWR plywood topped with 12 mm soft board and fabric, duly approved by architect.	Sqmt	150.000		
4	Fabrication, fitting and fixing of false ceiling using acoustical gyp-board panels(partially/fully perforated ceiling panel) with 50mm glass wool mat backing, suspenders and channels as per manufacturer specs. at different levels and including making coves for light and other electrical/AC fittings as per drawings and instructions complete.	Sqmt	560.000		

5	False ceiling using 12.5 mm plain Gyp-board ceiling boards, suspenders and channels as per manufacturer specs. at different levels and including making coves for light/AC, as per instructions complete	Sqmt	125.000		
6	Painting 2 coats with best quality acrylic emulsion paint with brush/roller over one coat primer, all of approved make and brand, including smoothening surface by sand papering etc including cost of approved putty, scaffolding & staging etc .	Sqmt	125.000		
7	Supply, cutting, fitting & fixing of approved laminated wooden floor with planks not less than 8mm thickness, and area not less than 0.18 sqmt complete with backing foam and as per manufacturers specification.	Sqmt	100.000		
8	Supply & placing of students' table (size-900X600X 750 high) made of approved particle/fiber boards with approved laminate pasting, post formed on edges, complete with all hardware fittings and as per design and drawings, and as per manufacturer's specifications.	Nos	105.00		
9	Supply & placing of student chair as per manufacturer's specification and as approved by architect/client.	Nos	105.00		
10	Supply & placing of white board (area not less than 2.0 Sqm)as per standard manufacturer specification	Nos	5.00		
11	Supply & placing of teachers table (size-1200X900X750high) made of approved particle/fiber boards with approved laminate pasting, post formed on edges, complete with all hardware fittings and as per design and drawings, and as per manufacturer's specifications	Nos	5.00		
12	Supply & placing of teachers chair as per manufacturer's specifications and as approved by architect/client.	Nos	5.00		
13	Fabrication, fitting and fixing of X200mm high laquer polish teacher's platform with 60mm X 60mm best quality hard wood for 6 nos posts and 100mm X 40 mm hard wood planks for platform top including nail, screw, adhesive and all necessary fittings etc. as per drawing and instruction	Sqmt	15.00		
14	Supply & placing of single seat sofa as per manufacturer's specification and as approved by architect/client.	Nos	12.00		

15	Purchase & placing of double seat sofa as per manufacturer's specification and as approved by architect/client.	Nos	6.00		
16	Fabrication, supply & placing of centre table (top surface area not more than 1.50 sqmt.) with 19mm thk. block board, 1.0 mm thk. laminate pasting for vertical surfaces and top with 12 mm thk clear glass, rounded and mirror polished on edge, including nail, screw, adhesive and necessary fittings etc. as per drawing and and instruction of site-in-charge.	Nos	5.00		
17	Fabrication, supply & placing of corner table (Top surface area not more than 0.30 sqmt) with 19mm thk block board, 1.0 mm thk laminate pasting for vertical surface and top with 10 mm thk clear glass , rounded and mirror polished on edge, including nail, screw, adhesive and necessary fittings etc. as per drawing and instruction	Nos	9.00		
18	Supply and placing of directors chair as per manufacturer's specification and as approved by architect/client.	No	1.00		
19	Supply & placing of directors table (size-2400X900X750 high) with side unit (size 1200X400X675 high) made of approved particle/fiber boards with approved laminate pasting, post formed on edges, complete with raceways for voice, data, power lines, all hardware fittings and as per design and drawings, and as per manufacturer's specifications	No	1.00		
20	Purchase & placing of visitors chair for director room and P.A room as per manufacturer's specification and as approved by architect/client.	Nos	8.00		
21	Purchase & placing of chairs for others staff as per manufacturer's specification and as approved by architect/client.	Nos	9.00		
22	Fabrication, fitting and fixing work stations (size-3500X1200X750 high) made of approved particle/fiber boards with approved laminate pasting, post formed on edges, fabric topped soft-boards, complete with raceways for voice, data, power lines, drawers with all hardware fittings and as per design and drawings, and as per manufacturer's specifications.	person	25.00		

23	Fabrication, fitting and fixing of full height file storage with 19mm thk. block board, 12 mm & 6mm thk. ply and 1.0 mm thk. laminate pasting for vertical surface and 1.2 mm thk. laminate pasting for top surface, 0.8mm backer laminate for all internal surfaces, including nails, screw, adhesive and necessary fittings etc. as per drawing and instructions.	Sqmt	20.00		
24	Supply, fitting and fixing of vertical blinds made of glass fibre fabrics in width 125mm to 100 mm. minimum over lapping of 20 mm in fabric. Top aluminium anodized rail of 1.4 mm thickness. 50 mm wide channel with front lamination of same fabric. Runners having stainless steel hooks with built in shock spring and self aligning slip clutch. End control box composed of double gear system. Stainless steel spacers. Bottom weight fully plastic covered linked with plastic bead chain.	Sqmt	80.00		
25	Fabrication, fitting and fixing of mobile storage (size-500X500X600 high) made of approved particle/fiber boards with approved laminate pasting, post formed on edges, drawers with all hardware fittings and as per design and drawings, and as per manufacturer's specifications.	Unit	1.00		
26	Applying textured paint on wall, over one coat primer as per manufacturer's specifications.	Sqmt	15.000		
27	Fabrication, fitting and fixing of reception table (Top surface area not more than 2.0 sqmt) made of approved particle/fiber boards with approved laminate pasting, post formed on edges, complete with raceways for voice, data, power lines, drawers with all hardware fittings and as per design and drawings, and as per manufacturer's specifications.	No	1.00		
28	Supply and placing of reception chair as per manufacturer's specification and as approved by architect/client.	No	1.00		

29	Fabrication, fitting and fixing of 900 mm high file storage with 19mm thk block board, 12 mm & 6mm thk ply and 1.0 mm thk laminate pasting for vertical surface and 1.2 mm thk laminate pasting for top surface, 0.8mm backer laminate for all inside surfaces, including nail, screw, adhesive and necessary fittings etc. as per drawing and instruction	Sqmt	3.00		
30	Fabrication, fitting and fixing of 400 mm high planter box with 19mm thk block board, 12 mm & 6mm thk ply and 1.2 mm thk laminate pasting for vertical surface including nail, screw, adhesive and necessary fittings etc. as per drawing and instruction	No	1.00		
31	Applying terminator wood preservative by properly removing dust from wooden surface and paint a complete coat of terminator wood preservative on the wood, ply, block board and solid board with brush (coverage 15 Sqmt per liter) or with aerosol bottle to spray the solution and to use a syringe to inject to wooden member in holes which can not be reached by brush or spray and leave the wooden member to dry for about 6 to 8 hours. And then apply polish or adhesive. Payment will be made on surface of paint area on used materials	Sqmt.	5000.000		
A. Total Value in Rupees (in figures & words)					
B. CC TV & BIO METRIC					
1	IP Bullet Camera (Specification mention below)	Nos	13		
2	IP Dome Camera (Specification mention below)	Nos	19		
3	16 channel Network Video Recorder (Specification mention below)	Nos	2		
4	4 TB Surveillance HDD Make: Seagate/WD/Toshiba	Nos	2		
5	Installation with configurations charges.	Lumpsum	1		
6	ISI grade P V C Box for camera side (32 Nos. cameras)	Nos	32		
7	8 port POE switch compatible with the camera	Nos	7		
8	CCTV Wiring Cat6 cable includes laying charges, pipe & all required materials.	Mtr	2,000.000		
9	22" or better LED Display work station	Set	2		

	<ul style="list-style-type: none"> a)Process- I 3 or better b)Ram - 3 G or more c)Operating system - Window-7 d)Multimedia - graphics adoptor of min e)1GB ram f)HD - 1 TB g)Screen - 22" or better 			
10	Supply of Fingerprint and Card based Time-Attendance TCP/IP Terminal. Detail mention below	Nos.	4	
	<ul style="list-style-type: none"> a)Optical Fingerprint and Proximity Card based Time-Attendance Terminal (Card Module is not Included) b) Support EM Prox and HID Prox Card Module c) Dot-Matrix LCD and Touchsense Keypad d) Ethernet and USB Connectivity e) Time-Attendance and Cafeteria Application f) 50,000 Events and 9,600 Fingerprint Templates g) 4 LEDs and Buzzer h) 12VDC Power Supply through Adaptor or Battery Backup 			
11	Supply of module of proximity Reader for Card Personality Module (CPM) for for above Terminals. Detail mention below	Nos	4	
	<ul style="list-style-type: none"> a)EM Proximity Card Reader Module (Low Frequency) b)Supports EM Proximity Card 			
12	Supply of Application Software Platform for 200 Users (Expandable Up to 500 Users). Detail mention below	Nos.	1	
	<ul style="list-style-type: none"> a)With 200 Users b)Expandable Up to 500 Users with COSEC USER100 License c) Supports Up to 65,000 Door Controllers d) Basic Access Control, Basic Time-Attendance and Enrollment Management e) Compatible with all OEM Hardwares f) Add Software Modules as per Need 			
13	Supply of Time-Attendance and Leave Management Software Module. Detail mention below	Nos.	1	

	<p>a)Comprehensive Time-Attendance and Leave Management Software Module b)Perpetual Cost for 500 Users c)Attendance and Leave Policy Creation d) Integration with Payroll, Tally, Active Directory and HRM e) Shift Schedule, Holiday Schedule and Past Adjustment f) Manually Attendance Correction g) Leave/Tour Application and Approval h) SMS and Email Notification i) Reports and Charts Generation</p> <p>Other features of the software : a)Late-In/Early-Out Policy b)Overtime Policy and Authorization c)Compensatory Off (C-OFF) Policy and Authorization e)Absenteeism Policy f)Shifts and Schedules g)Holidays and Restricted Holidays h)Attendance Summary i)Notifications – option of SMS and email notification</p>			
	B. Total Value in Rupees (in figures & words)			
	Total Value (A+B) in Rupees (in figures & words)			

Date & Signature, Name and Address of the Contractor

IP Dome Camera Specification

Camera	Image Sensor:	1/3" Progressive Scan CMOS
	Min. Illumination:	0.07Lux @ (F1.2, AGC ON) ,0 Lux with IR
	Mega Pixel	3 MP or better
	Lens Mount:	M12
	Adjustment Range:	Pan:0° - 355°, Tilt: 0° - 65°
	Day& Night:	IR cut filter with auto switch
	Wide Dynamic Range:	Digital WDR
	Digital noise reduction:	3D DNR
Compression Standard	Video Compression:	H.264/M-JPEG
	Bit Rate:	32 Kbps ~ 16 Mbps or better.
	Dual Stream:	Yes
Image	Max. Image Resolution:	2048×1536
	Frame Rate:	50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
	BLC:	Yes, zone configurable
	ROI:	3 or more configurable areas
Network	Network Storage:	NAS
	Alarm Trigger:	Motion detection, Tampering alarm
	Protocols:	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
	System Compatibility:	ONVIF, PSIA, CGI, ISAPI
Interface	Communication Interface:	1 RJ45 10M / 100M ethernet interface
General	Operating Conditions:	-25 °C ~ 55 °C or better Humidity 95% or less (non-condensing)
	Power Supply:	12 VDC ± 10%, PoE (802.3af)
	Power Consumption:	Max. 5 W (Max. 7 W with IR cut filter on)
	Impact Protection:	IEC60068-2-75Eh, 50J; EN50102, up to IK10
	IR Range: Standard	Approx. 10 to 30 meters IP66 & Vandalproof

IP Bullet Camera Specification

Camera	Image Sensor:	1/3" Progressive Scan CMOS
	Min. Illumination:	0.07Lux @ (F1.2, AGC ON) ,0 Lux with IR
	Mega Pixel	3 MP or better
	Day& Night:	IR cut filter with auto switch
	Wide Dynamic Range:	Digital WDR
	Digital noise reduction:	3D DNR
Compression Standard	Video Compression:	H.264/M-JPEG
	Bit Rate:	32 Kbps ~ 16 Mbps
	Dual Stream:	Yes
Image	Max. Image Resolution:	2048×1536
	Frame Rate:	50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
	BLC:	Yes, zone configurable
	ROI:	3 or more configurable areas
Network	Network Storage:	NAS
	Alarm Trigger:	Motion detection, Tampering alarm
	Protocols:	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
	System Compatibility:	ONVIF, PSIA, CGI, ISAPI
Interface	Communication Interface:	1 RJ45 10M / 100M ethernet interface
General	Operating Conditions:	-25 °C ~ 55 °C or better Humidity 95% or less (non-condensing)
	Power Supply:	12 VDC ± 10%, PoE (802.3af)
	Power Consumption:	Max. 5 W (Max. 7 W with IR cut filter on)
	IR Range:	Upto 30 meters
	Standard	IP66

Network Video Recorder

Video/Audio Input	IP Video Input:	16-ch
	Two-way Audio:	1-ch RCA(2.0Vp-p, 1kΩ)
Video/Audio Output	VGA Output:	1-ch, resolution: 1920×1080P/60Hz,1600×1200/60Hz,1280×1024/60Hz, 1280×720/60Hz, 1024×768/60Hz
	CVBS Output:	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
	HDMI Output:	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
	Recording resolution:	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
	Audio Output:	1-ch BNC(Linear electrical level, 600Ω)
	Playback Resolution:	5MP /3MP / 1080P / UXGA / 720P / 4CIF / VGA / DCIF / 2CIF / CIF / QCIF
	Synchronous Playback:	16-ch
Hard Disk Driver	Interface Type:	2 SATA Interfaces
	Capacity:	Up to 4TB capacity for each disk
External Interface	Network Interface:	1 RJ45 10M/100M/1000M adaptive Ethernet Interface
	USB Interface:	2 USB 2.0 Interfaces
	Serial Interface:	1 RS-232 interface;1 RS-485 interface (reserved);
	Alarm Input:	4-ch
	Alarm Output:	2-ch
General	Power Supply:	12 VDC
	Consumption:	≤ 13 W (without hard disk or DVD-R/W)
	Working Temperature:	-10 °C ~ +55 °C
	Working Humidity:	10%~90%

**PROJECT: INTERIOR WORKS OF AT GR. FLOOR, 2ND & 3RD FLOOR OF B+G+III
STORIED IT/ITES BUILDING OF NIELIT, KOLKATA CENTRE**
LIST OF APPROVED BRANDS

<u>SL. NO.</u>	<u>MATERIALS</u>	<u>BRANDS</u>
1	PAINT & PRIMER	ICI/BERGER.
2	PLY, BLOCK BOARD	GREEN/CENTURY
3	LAMINATE	MERINO/CENTURY/ROYALTOUCH
4	GYPBOARD FOR FALSE CEILING	INDIA GYPSUM/EQUIVALENT.
5	WOOD FOR PARTITION	SEASONED HARDWOOD
6	DOOR FITTINGS	GODREJ/STANDARD I.S.I BRAND
7	DOOR LOCKS	GODREJ/ STANDARD I.S.I BRAND
8	FURNITURE FITTINGS	HETTICH/EBCO/HAFELE
9	ALUMINIUM EXTRUDED SECTION	NALCO/HINDAL
10	GLASS	ST. GOBAIN/MODI
11	WOODEN FLOOR	ARMSTRONG/SWISS FLOOR
12	CHAIR, TABLE, SOFA, WORK STATION & ALL LOOSE FURNITURE	GODREJ/FEATHERLITE/STANDARD I.S.I BRAND
13	VERTICAL BLINDS	VISTA/MAC
14	TERMINATOR WOOD PRESERVATIVE	PIDILITE/PILOT
<u>CC TV & BIO METRIC</u>		
1	IRC-MOUNT CAMERA	SAMSUNG/LG/HIKVISION
2	IR-DOME CAMERA	SAMSUNG/LG/HIKVISION
3	NVR	SAMSUNG/LG/HIKVISION
4	RJ45 JACK	RNM/AMP/BELDEN
5	POE SWITCH	DLINK/TPLINK/NETGEAR
6	CAT6 CABLE	RNM/MOLEX/BELDEN
7	WORK STATION FOR CCTV	DELL/LENOVO/ACER
8	BIOMETRIC	MATRIX/HID/BOSCH