

**CENTRE OF PLASMA PHYSICS  
INSTITUTE FOR PLASMA RESEARCH  
Nazirakhat, Sonapur-782402, Kamrup (M), Assam (India)**

**NOTICE INVITING TENDER**

**E-mail: enquiry@cpiplr.res.in**  
**Phone No. 0361-2220010**

**TENDERNO.:CPP-IPR/TN/WORK/2017-18/53**  
**TENDER DATE: 16/02/2018**

**Estimated Cost: Rs. 4,45,100.00/- (Rupees Four lakhs forty five thousand one hundred only) as per APWD SoR 13-14 and DSR 2016 excluding GST.**

Sealed tender in standard bidding documents is invited from reputed (Govt. Registered) contractors and firms for the following work:

NIT No & Date	Name of Work	Completion Time
CPP-IPR/ TN/WORK/2017-18/53 Dated: 16/02/2018	Renovation of present Server Room & UPS Room at CPP-IPR, Sonapur	45 days from Receipt of Work Order

**Last Date for issue of Tender: 13/03/2018**

**Last Date and Time of Submission of Tender: 13:00 hrs. Of 20/03/2018**

**Date of Opening of the Tender: 14:30 hrs. Of 20/03/2018**

**Issue of Tender Document:**

Tender documents will be issued at Centre of Plasma Physics- Institute for Plasma Research, Nazirakhat, Sonapur-782402, Kamrup, Assam on any working day during office hour within the last date of issue of Tender.

**The Centre Director, CPP-IPR reserves the right to accept or reject any offer in full or part thereof without assigning any reason thereof.**

SEAL

Signature

**CENTRE OF PLASMA PHYSICS  
INSTITUTE FOR PLASMA RESEARCH**

Nazirakhat, Sonapur-782 402, Kamrup (M), Assam (India)

**QUOTATION DOCUMENT**

**TN No: CPP-IPR/TN/WORK/2017-18/53**

**Dated: 16/02/2018**

**NAME OF THE WORK:** Renovation of present Server Room & UPS Room at  
CPP-IPR, Sonapur

Issued to : \_\_\_\_\_

Address : \_\_\_\_\_

Phone No : \_\_\_\_\_

Work value : \_\_\_\_\_

Last date for Submission : \_\_\_\_\_

Date of opening of Quotation : \_\_\_\_\_

Address for Quotation Inviting Authority:

Centre Director  
Centre of Plasma Physics-Institute for Plasma  
Research, Nazirakhat, Sonapur-782 402  
Kamrup (M), Assam

SEAL

Signature

**CENTRE OF PLASMA PHYSICS  
INSTITUTE FOR PLASMA RESEARCH**  
Nazirakhat, Sonapur-782 402, Kamrup (M), Assam (India)

**TECHNICAL BID**

FOR

**Renovation of present Server Room & UPS Room at CPP-IPR,  
Sonapur**

SEAL

Signature

**DETAILS OF THE BIDDER**

1. Name of the Bidder :  
With Address
  
2. Details of the contact persons :  
Along with name & Designation
  
3. Telephone/ Mobile Numbers :
4. FAX numbers :
  
5. E-mail ID :
  
6. Website :
  
7. GST registration no. :
  
8. PAN No :
  
9. Experience in this field (Years) :
  
  
10. Any other details :

SEAL

Signature

## ELIGIBILITY AND TERMS & CONDITIONS

The Quotation and any order resulting from this NIT shall be governed by our Conditions of contract, a copy of which is being provided with this document. The Bidder quoting this Quotation shall be deemed to have read and understood the same.

The bidder has to enclose signed copy of this document (ALL PAGES SIGNED) as well as the terms & conditions with his Quotation.

The bidder has to submit a tender fee of **Rs.500** in the form of demand draft from a Nationalized Schedule Bank issued in favour of **“Institute for Plasma Research” A/c CPP**, payable at Sonapur (only applicable for bidders who have downloaded the tender). The tender fee should be submitted along with Quotation document or else will be rejected.

## CERTIFICATE

**I/We have gone through the eligibility criteria and terms & conditions carefully (Annexure I), and I/we hereby certify that**

1. I/ We possess the minimum eligibility for participating in the Quotation process.
2. I/ We agree to the mentioned terms and conditions, a signed copy of which is being enclosed with this document
3. Strike out whichever is not applicable
  - a. We have provided our own terms & conditions.
  - b. We will not accept the work order if our conditions are not agreed upon.
  - c. Even if our conditions are not agreed upon, we are ready to work according to your terms & conditions.
  - d. We have accepted your terms & conditions.

SEAL

Signature

## ANNEXURE – I

### **ELIGIBILITY CRITERIA**

The bidder/contractor should satisfy the following conditions:

- (1) Valid Registration with CPWD/PWD/MES/RLYS/Other Government/ Statutory bodies (please enclose up to date registration certificate)
- (2) The vendor/contractor/organization and any of its sister concern has not been banned/ blacklisted /debarred from working with any Central Govt./PSU / State Govt. / Any other Govt. Agencies/ Any other Institute or organization of National or International Repute for the last three years.
- (3) The contractor must have performed a similar nature of work within the last 3 years.
- (4) Should submit up to date Labour license certificate.
- (5) Should submit up to date GST registration certificate.

### **TERMS & CONDITIONS**

1. The quotation and any order resulting from this NIT shall be governed by our Conditions of contract and contractor quoting this NIT shall be deemed to have read and understood the same in to. **Non-acceptance of these terms & conditions may lead to rejection of the bid.**
2. **Single Bid:** The quotation will have to be submitted in single bid, in a **properly sealed cover**. Quotation number, Date and subject (“QUOTATION FOR \_\_\_\_\_”) has to be mentioned over the envelope along with the bidder’s full postal address, failing which the bid will not be considered. The Quotation should bear a court fee stamp of Rs. 8.25 (Rupees eight and twenty five paisa) only (non-refundable) to be affixed with the Quotation without which no Quotation will be considered for acceptance.
3. Late and delayed Quotations will not be considered, irrespective of the cause of the delay.
4. In case, any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.
5. **Earnest Money Deposit:** EMD of **Rs. 8900.00/-** in the form of demand draft from a Nationalized Schedule Bank issued in favour of “**Institute for Plasma Research**” A/c CPP, payable at Sonapur. The EMD should be submitted along with Quotation document or else will be rejected.
6. **Rates:** Rates quoted for all items should be **FOR CPP-IPR ,Nazirakhat, Sonapur, on DOOR DELIVERY basis.**
  - a. Prices are required to be quoted according to the units indicated in the NIT. When Quotations are given in terms of units other than those specified in our document, relationship between the two sets of units must be furnished.
  - b. Wherever options are specified in the NIT documents, CPP-IPR reserves the right to accept any option/s irrespective of whether all the contractors/bidders have quoted for all the options or not. The decision of CPP-IPR in this regard will be final.
7. The bid for works shall remain open for acceptance for a period of **90 days** from the date of opening of bids.
8. The Contractor whose tender is accepted will be required to furnish “**Performance Bank Guarantee of 5%**” (Five Percent) of the tendered amount within 10 days from issue of “**Letter of Acceptance**”.
9. **Security Deposit:** On acceptance of tender, the Contractor shall at the option of the Purchaser and within the period specified by him, submit a Bank Guarantee from SBI or any one of the nationalized banks or reputed private banks, viz. AXIS Bank, ICICI Bank, IDBI Bank and HDFC Bank towards Security Deposit not exceeding 10% (ten percent) of the tendered value of the contract/purchase order valid till acceptance of the material, as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to submit Security Deposit and the contractor fails to provide the same within the period specified such failure shall constitute a breach of the Contract

and the Purchaser shall be entitled to make other arrangements for the repurchase of the stores contracted for at the risk and expenses of the Contractor and/or recover from the Contractor damages arising from such cancellation. No claim shall lie against the purchaser either in respect of interest if any due on Security Deposit or depreciation in value. The security deposit should be valid for six months beyond the date of completion of all contractual obligations. EMD shall be refunded to the successful bidder on receipt of security deposit. The Security Deposit shall be held by CPP-IPR as security for the due performance of the CONTRACTOR's obligations under the Contract. The security deposit shall be refunded to the contractor within six months from the date of expiry/termination of the contract.

10. **Genuine Pricing:** The contractor is to ensure that quoted price is not more than the price offered to any other customer in India.
11. **Measurement:** Various dimensions of the works executed will be measured jointly in presence of contractor and engineer in charge of CPP-IPR. Based upon these field data quantities for payment will be calculated. Dimensions will be measured correct up to a centimeter.
12. **Rate:** The rate shall include the cost of all materials, transportation, forest royalty (weather applicable) and labour/machine involved etc. in all the operations described above.
13. **Payment:** The Payment will be made by a crossed account payee cheque normally within 30 days from the date of completion of the work or receipt of invoice, whichever is later. Wherever, advance payment is involved, it will be paid only against Bank Guarantee from Nationalized/Scheduled Bank. No correspondence will be entertained within 30 days from the date of submission of final bill for payment.
14. **Guarantee:** The workmanship offered by the bidder should be guaranteed for a minimum period of 6 (six) months, against defective materials, design, workmanship. For defects noticed during the Guarantee period, replacement/rectification should be arranged free of cost by the contractor within a reasonable period of such notification.
15. **Time allowed:** The time allowed for completion of the work will be **45(forty five)** days from the receipt of formal work order. However more completion time may be allowed depending upon the work schedule to be decided by the authorities of the centre.
16. Where counter terms and conditions have been offered by the contractor the same shall not be deemed to have been accepted by us, unless our specific written acceptance thereof is obtained.
17. The bidders must ensure that their offers are strictly as per our specifications.
18. Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the constructions.
19. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.
20. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other service required for executing the work unless otherwise specifically provided for in the contract document.
21. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done, local conditions and other factors having a bearing on the execution of the work.
22. **The acceptance of a quotation will rest with the Center Director, CPP-IPR who does not bind himself to accept the lowest bid and reserves himself the authority to reject any or all of the bids received, without assigning any reason. Center Director, CPP-IPR further reserves the right to accept any part of the bid and the bidder shall be bound to perform the same at the rates quoted.**
23. On acceptance of the bid, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-charge shall be communicated to the Engineer-in-charge.
24. **GOODS AND SERVICES TAX** where legally liveable will be admitted and reimbursed at the rate applicable during original delivery period. When GOODS AND SERVICE TAX is claimed as extra by  
 BIDDER CPP-IPR

the vendor in general, the following certificates should be submitted by the vendor to the Paying Authority on the bills itself:-

Certified that the GOODS AND SERVICES TAX charged has not been exempted under the GST Act or the rules made there-under and the amount charged on account of GST are not more than what is payable under the provision of relevant ACT or the rules there-under.

Certified further that we are being assessed to GST and also that where there are statutory exemptions under the Relevant Act/Law of the State Government concerned, we have availed ourselves of it and certified non-availability of such a provision for GST wherever claimed.

Certified further in respect of amount claimed into the bill no claim is pending for refund/or admissible. Certified that in the event of our getting refund in whole or in part of the element of GOODS AND SERVICES TAX claimed from Government, we shall pass on the benefit to the Purchaser by remitting to Government the amount equivalent to the amount of refund obtained by us.

Certified further that we (our Branch or agent) \_\_\_\_\_ (address) are registered in the state of \_\_\_\_\_ under GST Regn. No. \_\_\_\_\_.

(Stamp & Signature of the Vendor)

The vendor shall solely be responsible for declaration of Goods and Service Tax made in his invoice and shall indemnify the purchaser from any claim or its liability from concerned authorities at any stage.

Certificate with each bill to the effect that no refund has been obtained in respect of the reimbursement of GST made to vendor during three months immediately preceding the date of the claim covered by the relevant bill. An UNDERTAKING to the effect that in case any refund of GST is granted to the vendor by concerned authorities in respect of stores supplied under the contract, they shall pass on the credit to the purchaser immediately along with a certificate from their Director/Manager/Proprietor/Accountant to the effect that the credit so passed on relates to the GST originally paid for the stores supplied under the contract. In case of their failure to do so within 10 days of the issue of the refund orders to them by the Authorities, the purchaser would be empowered to deduct a sum equivalent to the amount refunded by the authorities without any further reference to the vendor, from any of their outstanding bills against this or any other pending Government Contracts and that no dispute on this account would be raised by the vendor. Vendor should provide GSTIN Certificate along with HSN code of the tendered item along with their quotation.

25. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India/ State Governments allowed to work as a contractor for a period of two years of his retirement from Government Services, without the previous permission of the Government of India/State Government. 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 the Government of India/State Government as aforesaid before submission of the bid or engagement in the contractor's service.
26. Signed copy of this document as well as the Quotation paper being provided to the bidder (ALL PAGES TO BE SIGNED) should be enclosed with each Quotation as a token of acceptance for the terms and



conditions specified in the quotation.

27. Canvassing in connection with the Quotation is strictly prohibited and the Quotation submitted by the contractor who resorts to such canvassing will be liable to rejection.
28. The contractor must produce income tax clearance certificate on the latest form as prescribed by the Ministry of Finance, Govt of India. The contractor should submit Xerox copy of PAN card.
29. Rates quoted by the bidder/contractor in item rate shall be accurately filled in so that there is no discrepancy in the rates written in figures and in words- However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall be taken as correct.
30. If the amount of an item is not worked out by the bidder/contractor, or it does not correspond with the rate written either in figures or in words, then the rates quoted by bidder in words shall be taken as correct.
31. Where the rate quoted by the bidder in figures and in words tally, but the amount is not worked out correctly, the rate quoted by the contractor will be taken as correct, not the amount.
32. The bidders should quote in figures as well as in words the rate and amount Quoted by them. The amount of each item should be worked out and the requisite total be given. All corrections shall be attested with date and signature of the bidders.
33. When a bidder signs a Quotation in an Indian Language, the total amount Quoted should also be written in the same language. In the case of illiterate contractors, the rates or the amounts Quoted should be attested by a witness.
34. Any changes in works can be made by Centre Director or Engineer-in-Charge as per requirement and the contractor will bind himself to do the job.
35. The contractor will have to follow sequential work program in consultation with the Engineer-in-charge.
36. Proper safety precautions to be taken during execution of work.
37. Any damage of existing facilities that may occur during execution will be considered as contractors fault and will be rectified free of cost by the contractor.
38. All works shall have to be carried out by the contractor as per C.P.W.D general specification.
39. No compensation will be paid by Client for loss and damage to contractors materials during execution.
40. Suitable water supply and electricity arrangement for staff and labour as well as for the work to be provided by the contractor at his own cost.
41. The contractor shall comply with all the provisions of the Minimum wages act, 1984, Contract Labour (R&A) Act 1970 the rules framed there under and other labour laws affecting contract labour that may be brought in to force time to time.
42. The Engineer-in-Charge may instruct the contractor to dismiss or remove from the site of work any person or persons employed by the contractor who may be incompetent or misconduct himself and the contractor should follow such instruction.
43. **Deviation Clause:** A deviation limit up to 30 % shall apply for the said work and contractors are bound to do the work within this limit.
44. **Delay in delivery:** The date of delivery is an essential part of this tender. The supply of the item shall have to be completed within the scheduled time mentioned in the purchase order/ contract. The bidder failing to do so shall entitle the purchaser to recover Liquidated Damages at the rate of 0.5% (half percent) of the total order value for the delay of each week in the scheduled time of supply, subject to a maximum of 5% (five percent) of total order value.

### QUALITY AND SAFETY STANDARDS (ELECTRICAL)

The following specification are to be followed for Quality & safety standard mentioned in all cases. The list of brands is only indicative and individual item that do not conform to the Quality and Safety standards mentioned will not be accepted, even if they are from any one of the brands mentioned. All the fittings etc. should be from the same brand as far as possible to maintain the aesthetic.

SI No	Item	Quality Standard	Safety Standard	Brands
1	BUSBAR Chamber System	IEC-60439/IS-8623 IEC-60529/IS-2147	IP31	Havells, Legrand, L&T, Anchor, ABB,MK Schneider, MG, Hager, Finolex, plasto-plast, CRABTREE, Philips
2	RCCB, 30 mA	IS 12640 Part 1/ IEC 61008-1 EN 61008 - 1	IP20	
3	Distribution Boxes	ICE 61439-3 IS:13032 /IS:8623	IP43	
4	MCB	IS / IEC 60898 - 1, IEC 60947 - 2	IP20	
5	RCBO,30 mA	IS 12640 : Part 2 IEC 61009-1 EN : 61009-1	IP20	
6	Wires, FRLS	IS:694, RoHS, FRLS, anti-termite and anti-rodent		
7	Switches	As per BS EN 60669-1:2000	> IP65 as per BS EN 60529	
8	Light	Halogen free, long life (~ 20000 hr )		
9	Casing-Capping	ISI 14927 part-2		

**CENTRE OF PLASMA PHYSICS  
INSTITUTE FOR PLASMA RESEARCH**  
Nazirakhat, Sonapur-782 402, Kamrup (M), Assam (India)

**PRICE BID**

**For**

**Renovation of present Server Room & UPS Room at CPP-IPR, Sonapur**

**PRICE BID****Electrical and Civil: (As per APWD, SoR, 13-14 & DSR 2016)**

<b>Sl no</b>	<b>Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate in RS (Both in fig &amp; words)</b>	<b>Amount in Rs (Both in fig. &amp; words)</b>
1	Wiring for circuit/ sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	69		
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	43		
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Mtr	137		
	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Mtr	30		
	2 X 25 sq. mm + 1 X 6 sq. mm earth wire	Mtr	25		
2	Supplying and fixing following modular switch/ socket on the existing modular plate& switch box including connections but excluding modular plate etc. as required.				
	5/6 A switch	Each	15		
	15/16 A switch	Each	9		
	3 pin 5/6 A socket outlet	Each	8		
	6 pin 15/16 A socket outlet	Each	9		
3	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
	4 Module (125mmX75mm)	Each	3		
	6 Module(200mmX75mm)	Each	3		
	8 Module (125mmX125mm)	Each	7		
	12 Module (200mmX150mm)	Each	1		

Sl no	Specification	Unit	Quantity	Rate in RS (Both in fig & words)	Amount in Rs (Both in fig. & words)
4	Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.				
	32ATP&N	Each	1		
5	Providing and fixing following ratings and breaking capacity MCCB with thermo-magnetic release and terminal spreads in existing cubicle panel boards inclining drilling holes in cubicle panel, making connection etc.				
	100 A, 30 kA 4Pole	Each	1		
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	8 Way	Each	1		
	12 Way	Each	2		
7	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required				
8	Supplying with fitting and fixing 30/100/300mA sensitivity 240/415V 50Hz DP RCBO of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
	30mA sensitivity DP RCBO (ABB, Schneider MG, Legrand, Hager make)				
8	32A		6		
9	DP 6 A. to 32 A. ratings , MCB, "C" curve, 10 kA breaking capacity	Each	6		

Sl no	Specification	Unit	Quantity	Rate in RS (Both in fig & words)	Amount in Rs (Both in fig. & words)
10	Supplying and fixing of Philips TCG 700 TYPE flush type circular ceiling fittings (or equivalent as approved by the Deptt.) complete with Shade, holder, back plate and LAMP holder, 20 Watt CFL lamp including connection as required.	Each	9		
11	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels. (i) Area of door/window up to 3.00 m2	Each	2		
12	Dismantling of existing steel windows/ steel ventilators/ steel windows and steel ventilators without damaging the walls, removing to a safe place and necessary repairs to the edges of walls.	Sqm.	10		
13	Demolishing brickwork including stacking of serviceable materials and disposal of unserviceable materials as directed for all levels	cum	1.5		
14	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) In prop 1cement: 3 sand :6 coarse aggregate by volume	cum	0.5		
15	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (II) In superstructure above plinth level up to 1st floor level. (b) In proportion 1:4.(1 cement:4 sand)	cum	0.85		
16	Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment up-to 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I.				

Sl no	Specification	Unit	Quantity	Rate in RS (Both in fig & words)	Amount in Rs (Both in fig. & words)
	<p>Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of :</p> <p>a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment up-to 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with raw plug.</p>				
	<p>b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-In charge.</p>				
	<p>c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot</p>				

Sl no	Specification	Unit	Quantity	Rate in RS (Both in fig & words)	Amount in Rs (Both in fig. & words)
	welded together (minimum 64 welds in each dome and 20 welds along each flange).				
	The panel should be Corro-resist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product. 300 mm Finished Floor Height (FFH)	Sqm	35		
17	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed.				
	<i>A) On rough side a) In cement mortar 1:3</i>	Sqm	25		
	<i>B) On fair side a) In cement mortar 1:3</i>	Sqm	25		



18	Providing, fitting and fixing anodised aluminium windows and ventilators of standard sections of approved brand without horizontal glazing bars joints mitered and welded (manufactured to relevant IS specifications) fitted with 6mm x 3.15mm lugs 100mm long embedded in CC blocks 150mm x 100mm x 100mm in 1:3:6 mix including providing and fixing handles, frictions stays, joining cleat, bolting device, locking arrangement, spring catch as required complete as specified and directed for all levels. (Cement concrete to be measured and paid separately)..				
	(b)Fixed windows and ventilators iii) 6mm colored glass	Sqm	8.5		
19	Providing, fitting and fixing anodised aluminuim framed glazed doors with anodized aluminium frame made of 100mm x 45mm x 2.5mm section with door style of size 88mm x 45mm x 2.5mm, top rails 50mm x 45mm x 2mm and bottom rails 100mm x 45mm x 2.5mm fitted with glazing clip, special type rubber gasket complete etc complete as specified and directed by the department at all levels.	Sqm	4.8		
	(c) with 8 mm thick toughened glass				
20	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm) (i) Thickness = 1.5 mm thick	Sqm	32		
21	(n) Distempering two coats with oil bound distemper of approved brand and manufacture and of required shade on new wall surface to give an even shade, over and including a priming coat with alkali resistant primer of approved brand and manufacture after thoroughly brooming the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth.				
	(i).Priming coat with alkali resistant primer	Sqm	136		

	(ii). Top coat	Sqm	136		
22	Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth. (a).Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	95		
23	Finishing wall with two coats of acrylic emulsion exterior coatings of Unicem "Rakshak" brand of required shade by thinning 1ltr. of paint with 750ml of water to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose powdered materials as specified and directed by the department.	Sqm	41		
24	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (b). With ready mixed paint, wood primer (white).	Sqm	3.2		
25	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping. (i).Surfaces over 100mm in width or girth. b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	3.2		
26	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevant I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. b) Non decorative type and block board core. (ii) 35 mm thick .	Sqm	2.85		
27	Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/ F suspended ceiling which includes G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm				

<p>and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width 5mmx10mmx0.55mm thick fixed to soffit with G.I.cleat and steel expansion fasteners. Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm c/c, 9.5mm/ 12.5mm Gypboard. False ceiling (Light Duty) with Metal Polyester Laminated Board on Back (MPL) (conforming to IS:2095-1982) is then screw fixed to ceiling section with 25mm long drywall screws at 230mm c/c. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound, joint paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed. (For light fittings, providing opening for doors, window, and ventilators etc., cut out made with frame of perimeter channel supported suitably to be measured and paid separately as and where necessary).</p>				
12.5mm MPL	Sqm	25		
<b>Total:</b>				
<b>GST:</b>			<b>%</b>	
<b>Grand Total:</b>				
<b>Amount (In words):</b>				

**NOTE:**

- (1) The contractor must fill up every column of the price bid. .
- (2) All items used in the process have to be of premium/ best quality available in the market.
- (3) All work to be executed as per standard, drawing and specification.
- (4) Test certificate of materials (if applicable) to be submitted.
- (5) Quality control to be done with proper record and documentation. The same will be submitted in the time of billing. Bill will not be released in absence of the same (if applicable).

(6) Proper procedures to be followed as directed by the Engineer-in-Charge.