



F.No. [A-15-15/2023-Gen/115258](#)

Dated: 28/04.2023


Tender Notice

Subject: Notice Inviting Tender for selecting PSU through the Special Limited Tender for Renovation/Repairing of Roof Top/ interior of each floor (Visitor Room for Members), Control Room/ US/DS/Consultant Rooms/ Admin. Hall/ Finance Hall/ PAO Hall/ Corridors/ Pantry/ Sections Rooms/ Repairing of three side path of the NDMA building including boundary wall/ three gates/ Installation of CCTV Cameras & inter-alia works in the NDMA Bhawan – reg.

Quotations are invited from the Central/State PSUs/PWO's for Renovation/Repairing of Roof Top/ interior of each floor (Visitor Room for Members), Control Room/ US/DS/Consultant Rooms/ Admin. Hall/ Finance Hall/ PAO Hall/ Corridors/ Pantry/ Sections Rooms/ Repairing of three side path of the NDMA building including boundary wall/ three gates/ Installation of CCTV Cameras & inter-alia works in the NDMA Bhawan.

2. Interested Centre/State PSUs/PWO's may send their sealed quotations to the Under Secretary (General Section), NDMA Bhawan, A1, Safdarjung Enclave, New Delhi, by 15th May, 2023, till 5PM.
3. Terms and Conditions of the contract is laid in Annexure-I
4. The bidding Centre/State/PWO's may visit the NDMA Bhawan, A-1, Safdarjung Enclave, New Delhi – 110029 on any working days between 10AM to 5PM to assess the works to be carried out (As per Annexure-II) in the NDMA Bhawan. They may contact SO (Gen.), NDMA Bhawan, New Delhi, (Tel No. 011-26701270) for any further clarification.
5. The NDMA reserves the right to reject the quotation in whole or in part without assigning any reason thereof.

Encl: Annexure-I & II


(Ashok Kumar Gupta)
Under Secretary (Gen)
Tel.26701862

List of PSUs/ PWO's

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1. **Shri Anurag Aggarwal**
General Manager
TCIL Ltd
Corporate office
Address: TCIL Bhawan Outer Ring Rd, VSNL Colony, Greater Kailash I, Greater Kailash, New Delhi, Delhi 110048
2. **D.K Chabra**
Manager
Broadcast Engineering Consultants India Ltd.
Address: C-56, A/17, C Block, Phase 2, Industrial Area, Sector 62, Noida, Uttar Pradesh 201301 , Mobile Number : 9868393813
3. **NBCC Services Ltd.**
Corporate office
Address: Local Shopping Complex, East Kidwai Nagar, New Delhi, Delhi
4. **Executive Engineer – Works**
CPWD
Sewa Bhawan, R.K.Puram, New Delhi-66.
5. **Manager**
HPSHHC Ltd
(Himachal Govt. Emporium)
C-3 Baba Kharak Singh Marg New Delhi - 110001
6. **Manager**
NHHDC Ltd
(Nagaland Sales Emporium)
Govt. of Nagaland Undertaking
C-2 State Emporia Complex
Baba Kharak Singh Marg ,
New Delhi - 110001
7. **Manager**
Assam Government Marketing Corporation Ltd
B-1 State Emporia Complex
Baba Kharak Singh Marg ,
New Delhi - 110001
8. **Manager**
UPHDMC Ltd
B-5 State Emporia Complex
Baba Kharak Singh Marg ,
New Delhi - 110001

MEMORANDUM OF UNDERSTANDING & TERMS & CONDITIONS FOR

“Renovation/ Repairing of Roof top/ interior of each floor includes (Visitor Room for Members) Control Room/ US/ DS/ Consultant Rooms/ Admin Hall/ PAO Hall/ Finance Hall/ Corridors/ Pantry/ Sections Rooms/ Repairing of three side path of the NDMA Building including Boundary wall/ Three Gate’s/ Installation of CCTV Cameras & Inter-alia works in the NDMA Bhawan.

Memorandum of Understanding/ Agreement made on _____ day of _____, 2023 between the **NATIONAL DISASTER MANAGEMENT AUTHORITY (NDMA)**, A-1, Safdurjung Enclave, New Delhi-110029, which expression shall, unless the context requires another or different meaning, include its representatives and assigns.

AND

(Name of the PSU/ Govt. Undertaking) a company registered under the Companies Act, 1956 with its Registered office at _____, which expression shall unless the context requires another or a different meaning include their successors, heirs, legal representatives, executors, administrators and assigns on the other part.

AND WHEREAS (Name of the PSU/ Govt. Undertaking) has offered to take up and execute the aforesaid works as per the estimates submitted by **(Name of the PSU/Govt. Undertaking)** for undertaking the work on agency charges @ _____ % of the actual cost of works & any other taxes.

NOW THEREFORE, this MOU/ Agreement witnessed and it is hereby agreed between the parties as follows:

1. SCOPE OF WORK:

1.1 The scope of work for execution of the project by **(Name of the PSU/ Govt. Undertaking)** shall include the following activities:

- (i) Execution of work and contract management under supervision of a Structure Audit Engineer in the cost of same proposal where ever required.
- (ii) Completion of work.
- (iii) Testing of work.
- (iv) Handing over to client.

Annexure-1

2. DETAILS OF WORK:

a) **(Name of the PSU/ Govt. Undertaking)** shall undertake the “**Renovation/ Repairing of Roof top/ interior of each floor includes (Visitor Room for Members) Control Room/ US/ DS/ Consultant Rooms/ Admin Hall/ PAO Hall/ Finance Hall/ Corridors/ Pantry/ Sections Rooms/ Repairing of three side path of the NDMA Building including Boundary wall/ Three Gate’s/ Installation of CCTV Cameras & Inter-alia works in the NDMA Bhawan, for Rs. _____ /-(Rupees in Words including GST and Agency charges@ _____%)** on the estimates submitted by them. The estimate has been prepared based on DSR / MR.

b) The work shall be carried out as per CPWD specifications, based on **DPAR 2021/DSR/MR/ or approvals of this department**. The items not included in the DPAR shall be executed as per the recommendations and specifications of the manufacturer duly approved by the **(Name of the PSU/ Govt. Undertaking) or by the NDMA**. In case of items having option in DPAR like external finishing, the selection of items to be used shall be decided by the NDMA. In case, it becomes necessary to substitute any item due to unavoidable reasons, the rate of the substituted item(s) shall be worked out without affecting the financial implication as under:

c) If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

3. METHODOLOGY OF EXECUTION:

3.1 The provisions contained in GFR, 2017 and the manual on policies and procedure for procurement of works issued by Ministry of Finance or any other internal guidelines of the PSU should be scrupulously followed by **(Name of the PSU/ Govt. Undertaking)** for awarding the work to executing agency. The entire work shall be executed as per the required codal provisions, GFR, CVC, CPWD & its internal guidelines, internal orders of the PSU.

3.2 **(Name of the PSU/ Govt. Undertaking)** shall assume total and single point responsibility for the quality of work and timely completion of the projects by its executing agencies. The **(Name of the PSU/ Govt. Undertaking)** shall engage reputed experienced, financially sound Contractors and Suppliers including Civil Engineers/ Structural Engineers and Structure Audit Engineers where ever required for ensuring timely and satisfactory completion of the project within the time frame stipulated in clause 4. In the interest of work, **(Name of the PSU/ Govt. Undertaking)** shall obtain necessary guarantees relating to safety, workmanship, quality assurance and timely completion of work from the contractors/ firms/ agencies/ suppliers.

Annexure-1

3.3 Execution of the Project shall be carried out by **(Name of the PSU/ Govt. Undertaking)** (Works Executing Agency). The work will be completed within the time frame as per the List of approved make's for civil works or as per the approval of the competent authority (copy enclosed).

3.4 It is understood that the NDMA or any person authorized by it/ him may inspect the "Work" at any time to satisfy it/ he that the works are being carried out by the agency as per drawings, specification, directions of the officials of this department as provided in the estimate. If any defects or variation are found during the inspection, they will have to be got rectified by **(Name of the PSU/Govt. Undertaking)**

4. TIME OF COMPLETION:

4.1 **The total period of completion of the work shall be 06 months.** There shall not be any escalation payable by NDMA to **(Name of the PSU/ Govt. Undertaking)** on account of any delay in the work and the cost of the project for the sanctioned amount shall be firm. The period of completion shall be considered from either from the dates mentioned here in below, which happens later:

- a) Date of sanction of estimate
- b) Date of hand over of encumbrance free site

5. COST CONTROL:

5.1 **(Name of the PSU/ Govt. Undertaking)** will ensure that the inputs of all resources are kept at the optimum possible level needed to ensure cost control and timely completion of works. It will also ensure an all-round efficiency in the use of all inputs so that the cost is kept at the minimum possible NDMA level.

5.2 Tenders/ Quotation shall be invited by the **(Name of the PSU/ Govt. undertaking)** from registered contractors of appropriate class on the basis of estimated cost. On receipt of tenders, quotations the **(Name of the PSU/ Govt. Undertaking)**, shall award the work contract to the contractors whose tendered cost will be within the sanctioned cost. **"No additional cost will be paid by NDMA within the scope of work"**.

5.3 **(Name of the PSU/ Govt. Undertaking)** will make its endeavor to reduce the cost of constructions/ Works by any change of specifications, methods of constructions/ works / Method, value engineering or any innovative or economical design or method Such reduction in the cost of construction shall only be made with the approval of the sanctioning authority without affecting, prejudicing or endangering in any way the safety or security of the building.

Annexure-1

6. **ARBITRATION:**

Before going for arbitration, amicable settlement of disputes through negotiation may be resolved at the level of HoD and other stakeholders. We may also follow Office Memorandum No.334774/DoLA/AMRD/2019 dated 31.03.2020 of Deptt. of Legal Affairs for instructions for settlement of Inter-Departmental disputes, if applicable.

In the event of any dispute(s) or difference relating to the interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either to the Arbitration of one of the Arbitrators in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in charge of the associated redressal agency or say institutional arbitration like institution of engineers could also be referred in such situations.

If the Department of Public Enterprises fails to settle the dispute, the same shall be referred to the Committee on Disputes under Cabinet Secretariat. The Arbitration and Reconciliation Act, 1996 shall not be applicable to the arbitration under the clause.

The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside for revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/ Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the parties finally and conclusively. The parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator. **The venue of arbitration will be NDMA Bhawan, A-1, Safdarjung Enclave, New Delhi.**

7. **COMPENSATION FOR DELAY:**

- 7.1 The work is to be completed within the scheduled time frame and no extension will be granted. However, in case of delay in completion of work due to reasons beyond control of **(Name of the PSU/ Govt. Undertaking)**, suitable extension of time may be granted by NDMA for which **(Name of the PSU/ Govt. Undertaking)** will make a request to NDMA, otherwise 1% LD per month would be deducted from the final bill.
- 7.2 In case there is some hindrance which comes to the notice of **(Name of the PSU/Govt. Undertaking)** and are to be attended by NDMA, the same shall be intimated immediately so that timely action for removal of the same could be taken. In case, hindrances occur not on the part of **(Name of the PSU/Govt. Undertaking)**, the same shall also be intimated and recorded within 15 days of the occurrence of the hindrance.

Annexure-1

8. NO RESPONSIBILITY OF THE NDMA:

8.1 The NDMA shall not be responsible or accountable to **(Name of the PSU/ Govt. Undertaking)** the employees, agents, technicians and laborers employed by **(Name of the PSU/ Govt. Undertaking)** who shall work on the project site and its premises and **(Name of the PSU/ Govt. Undertaking)** be exclusively responsible for all such personnel engaged, on the works for such matters as payment of salary, wages, bonus, compensation and compensation in the event of death and accident. **The vendor will hold responsibility of 'Provident Fund, Employees State Insurance and other statutory liabilities in addition to salary/ wages of their employees wherever applicable.**

8.3 There shall be no contractual nexus or privities between the NDMA and the technicians, employees, engineers, architects, laborers and contractors and such personnel shall not be the employees of the NDMA and shall not be liable in any way (employer-employees relationship, legal and financial) to such personnel who shall be exclusive liability and responsibility of **(Name of the PSU/Govt. Undertaking)**.

9. DAMAGE TO PERSONS AND PROPERTY:

The **(Name of the PSU/ Govt. Undertaking)** shall (except and in so far as this agreement provides otherwise) indemnifies and keeps indemnified the NDMA against all losses and claims for injuries or damage to any person or any property whatsoever which may arise out of or in consequence of or in relation thereto. NDMA shall not be responsible in this regard.

10. FORCE MAJEURE CLAUSES:

(Name of the PSU/ Govt. Undertaking) shall not be held responsible for the delays/ stoppage of work due to force majeure conditions like natural calamities, war, etc. and for losses suffered if any, by the NDMA on this account. **(Name of the PSU/ Govt. Undertaking)** shall also not be able in any way to bear such losses and no compensation of any kind whatsoever will be payable by **(Name of the PSU/ Govt. Undertaking)** to NDMA. suitable force majeure clause shall be incorporated in all the agreements entered in to by **(Name of the PSU/ Govt. Undertaking)** with the contractors/agencies.

11. DEFECTS LIABILITY PERIOD:

(a) This period shall be **one year** from the date of completion of works. During this period **(Name of the PSU/ Govt. Undertaking)** shall get the defects rectified without any cost to NDMA.

Annexure-1

(b) The PSU will submit Performance Bank Guarantee 5% of the total contract value (excluding tax and agency charges) on submission of the final bill which will remain valid for a period of 60 (Sixty) days beyond the date of completion of all contractual obligation of the contractor, including Defect Liability Period (DLP) of 1 year.

12. The terms of agreement shall be extended to any additional work within the site as mutually and specifically agreed upon.

13. **TERMINATION OF CONTRACT:**

a) **Cancellation of Contract in part or in Full for Contractor's Default:**

If the contractor fails to complete the works, work order and items of the work within the date of completion and continues in that state after a reasonable notice from the Accepting Authority (**Name of the PSU/ Govt. Undertaking**) without any prejudice shall cancel the contract as a whole or only such work order or items of work in default from the contract.

(**Name of the PSU/ Govt. Undertaking**), shall also complete the work by any means at contractor's risk and cost and if the estimated cost for completion exceeds the amount due to contractor under the contract, the contractor shall either pay the excess amount or same shall be recovered by (**Name of the PSU/ Govt. Undertaking**) from the contractor with no liability towards NDMA.

14. **TERMS OF PAYMENT:**

14.1 The Agency Charges will be @ _____ % of the actual cost of work plus tax subject to maximum sanctioned cost and shall be paid after completion of the work with final payment of the Bill.

14.2 The Payment to (Name of the PSU/ Govt. Undertaking) will be made in an advance form of upto 40% (against Bank Guarantee of equal amount after issue of work order) & the balance payment will be released on completion of entire work on receipt of 10% Performance Bank Guarantee from the PSU on submission with the final bill of the contract value exclusive of taxes & service charges for a period of 14 Months

14.3 Final payment for work shall be made only on the personal certificate of the officer-in-charge of execution of the work in the format given below:

"I.....Executing Officer of (Name of Work), am personally satisfied that the work has been executed as per the specifications laid down in the Contract Agreement and the workmanship is up to the standards followed in the Industry."

Annexure-1

14.4 All payments shall be made/ released by NDMA to **(Name of the PSU/ Govt. Undertaking)** or vice versa through on electronic transfer of funds and not by way of Cheques/ DD/ Other instruments.

14.5 It shall be the endeavor of the NDMA to ensure that the payment of bills of the **(Name of the PSU/ Govt. Undertaking)** shall be made within **30 days** of receipt (in the unit/formation), subject to the bill being complete in all respects and with all documents. The bills will be submitted and acknowledged by the Section Officer (Genl) Room No.102 on any working days after completion of the work.

15. **COMPLETION AND TAKING OVER:**

As soon as the project/ works is finally completed, **(Name of the PSU/ Govt. Undertaking)** shall in turn inform the NDMA **IN WITNESS** whereof the parties hereto have set their hands and seals the day and year first above written.

For and behalf of NDMA

For and behalf of (Name of the PSU/Govt. Undertaking),

Signature

Signature

Name:-

Name:-

Designation: -

Designation:-

S.No	Particulars - Reception Back Office Room No 102 , NDMA Bhawan	Qty	Unit	Rate	Total
1	Painting, Pop & Punning Providing and applying Acrylic Emulsion Paint in minimum of three coats of approved make and shade on Walls, Ceiling , surfaces etc including all the necessary surfaces preparation, POP punning to the wall up to average thickness of 12 mm to proper level & plumb, including grooves etc scrapping, base coats etc to receive 3 coats of paint. The wall shall be cleaned, filled with putty & applied with one coat of primer so as to achieve an even surface to apply paint. As per approved color /shade.	375	Sqft		
2	Porcelain antibacterial Tiles Providing and fixing first quality porcelain antibacterial Tiles homogenous body on floor & wall's of approved make of H.R. Johnson, Marbitto, kajaria or equilent. Shade and colour to be approved by the competent Authority and of size 1828mm x 914mm having modulus of rupture greater than 500 kg / cm2 and modulus of hardness 8.0 with variation in size less than 0.05% in approved colour, design and size in cement mortar bedding avg. 40 mm thk. in C:M 1:4 with neat white cement slurry fixed in correct line, level in approved design and pattern. The maximum variation from the stated size other than thickness shall be 0.2 mm, including pointing the joints with matching colour cement, cleaning the surface, curing, acid cleaning the tile work, curing etc., all complete as per directions of the Engineer-in-Charge. including complete flooring , toilets , walls etc.	624	sqft		
4	Installation of zebra blinds triple shade in approved design	240	sqft		
5	Cabinets made out of 19mm thick Commercial board MR Grade , laminated with veneer / laminate as per choice and approval of the competent authority size as per area available.	250	Sqft		

6	<p><u>LINEAR Work station with side storage</u> Supplying and placing in position of workstation table of approved make Durian as per photograph. Size :- 1500mm(L)x 600mm(D)x 1050mm(H). Table top of workstation made up of 25mm thick pre laminated Particle board of approved shade. Table top supported with MS powder coating C shaped leg 50mm x 50mm thick connected with 50mmx 50mm thick connector. Also having provision of metal wire raceway & grommet for passing wire. Workstation is completely die cut made of prime quality ERW tubular rectangular frame. All steel components are pre treated with anti rust treatment and duly powder coated minimum 50 microns as per approved shades. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. . The workstation having lacquered glass divider in front of the seat with ms powder coating holders. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007, SEFA Certificate, I Mark Certificate. Complete as per specification mentioned above & image under the guidance and approval of project architect/consultant & engineer in charge.</p>	12	Seats		
6	<p><u>Provision of one PVC keyboard tray and CPU</u> For Electrical work Complete per work Station Point making 2 Units 6AMP , 1 Unit 16 AMP</p>	12	Seats		

	<p align="center"><u>Executive Table</u></p> <p>Supplying and placing in position of office table of approved make Durian as per photograph. The main desk of size 1800mm (L) X 900mm (D) X 760mm (H). Table top shall be made out of 36mm thick pre laminated particle board with the approved shade. Table top supported with side panels and modesty panel. The side panels made out of 36mm thick and 18mm thk modesty panel made up of Prelaminated Particle Board with PVC Edge banding. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. Also a provision of Mobile Pedestal Unit (size:- L-400mm x D-450mm x H-630mm) with a combination of 2 drawer & one filing drawer. The pedestal storage unit shall be made of 18 mm thick prelaminated Particle board with provision of handles & central Locking arrangement. Side Runner shall be of size (L)900mmx (D)450mmx (H)750mm. Top shall be made of 36mm thick prelaminated particle board and rest carcass is of 18mm thick and back panel shall be of 9mm thick prelaminated particle board. The side runner having two sliding shutters, one shelf with locking arrangement and handle. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN</p>				
7		2	Nos		
Total					

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S.No	Particulars - PAO Hall / Officers Chamber	Qty	Unit	Rate	Total
1	Painting, Pop & Punning Providing and applying Acrylic Emulsion Paint in minimum of three coats of approved make and shade on Walls, Ceiling, surfaces etc including all the necessary surfaces preparation, POP punning to the wall up to average thickness of 12 mm to proper level & plumb, including grooves etc scrapping, base coats etc to receive 3 coats of paint. The wall shall be cleaned, filled with putty & applied with one coat of primer so as to achieve an even surface to apply paint. As per approved color / shade.	762	Sqft		
2	Porcelain antibacterial Tiles Providing and fixing first quality porcelain antibacterial Tiles homogenous body on floor & wall's of approved make of H.R. Johnson, Marbitto, kajaria or equilent. Shade and colour to be approved by the competent Authority and of size 1828mm x 914mm having modulus of rupture greater than 500 kg / cm2 and modulus of hardness 8.0 with variation in size less than 0.05% in approved colour, design and size in cement mortar bedding avg. 40 mm thk. in C:M 1:4 with neat white cement slurry fixed in correct line, level in approved design and pattern. The maximum variation from the stated size other than thickness shall be 0.2 mm, including pointing the joints with matching colour cement, cleaning the surface, curing, acid cleaning the tile work, curing etc., all complete as per directions of the Engineer-in-Charge. including complete flooring, toilets, walls etc.	1220	sqft		
4	Installation of zebra blinds triple shade in approved design	105	sqft		
5	Cabinets made out of 19mm thick Commercial board MR Grade, laminated with veneer / laminate as per choice and approval of the competent authority size as per area available.	115	Sqft		
6	<u>LINEAR Work station with side storage</u> Supplying and placing in position of workstation table of approved make Durian as per photograph. Size :- 1500mm(L)x 600mm(D)x 1050mm(H). Table top of workstation made up of 25mm thick pre laminated Particle board of approved shade. Table top supported with MS powder coating C shaped leg 50mm x 50mm thick connected with 50mmx 50mm thick connector. Also having provision of metal wire raceway & grommet for passing wire. Workstation is completely die cut made of prime quality ERW tubular rectangular frame. All steel components are pre treated with anti rust treatment and duly powder coated minimum 50 microns as per approved shades. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. The workstation having lacquered glass divider in front of the seat with ms powder coating holders. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007, SEFA Certificate, I Mark Certificate. Complete as per specification mentioned above & image under the guidance and approval of project architect/consultant & engineer in charge. Provision of one PVC keyboard tray and CPU trolley for each seating.	17	Seats		
6	For Electrical work Complete per work Station & Table Point making 2 Units 6AMP, 1 Unit 16 AMP	20	Seats		

Executive Table

7	<p>Supplying and placing in position of office table of approved make Durian as per photograph. The main desk of size 1800mm (L) X 900mm (D) X 760mm (H). Table top shall be made out of 36mm thick pre laminated particle board with the approved shade. Table top supported with side panels and modesty panel. The side panels made out of 36mm thick and 18mm thk modesty panel made up of Prelaminated Particle Board with PVC Edge banding. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. Also a provision of Mobile Pedestal Unit (size:- L-400mm x D-450mm x H-630mm) with a combination of 2 drawer & one filing drawer. The pedestal storage unit shall be made of 18 mm thick prelaminated Particle board with provision of handles & central Locking arrangement. Side Runner shall be of size (L)900mmx (D)450mmx (H)750mm. Top shall be made of 36mm thick prelaminated particle board and rest carcass is of 18mm thick and back panel shall be of 9mm thick prelaminated particle board. The side runner having two sliding shutters, one shelf with locking arrangement and handle. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007,</p>	3	Nos		
9	<p>Toughend Glass Partation with doors & accessories 12 mm toughned glass with accessories ,Floor Spring Set , Handle Set for Doors,Frosted Film ,Over Panel Patch,Small - L Patch , Cutout's , Holes Complete as per drawing where ever required , complete as per plan</p>	680	per sqft		

Total

27

S.No	Particulars - Finance Hall & Officers Chambers	Qty	Unit	Rate	Total
1	Painting, Pop & Punning Providing and applying Acrylic Emulsion Paint in minimum of three coats of approved make and shade on Walls, Ceiling, surfaces etc including all the necessary surfaces preparation, POP punning to the wall up to average thickness of 12 mm to proper level & plumb, including grooves etc scrapping, base coats etc to receive 3 coats of paint. The wall shall be cleaned, filled with putty & applied with one coat of primer so as to achieve an even surface to apply paint. As per approved color /shade.	1200	Sqft		
2	Porcelain antibacterial Tiles Providing and fixing first quality porcelain antibacterial Tiles homogenous body on floor & wall's of approved make of H.R. Johnson, Marbitto, kajaria or equivalent. Shade and colour to be approved by the competent Authority and of size 1828mm x 914mm having modulus of rupture greater than 500 kg / cm ² and modulus of hardness 8.0 with variation in size less than 0.05% in approved colour, design and size in cement mortar bedding avg. 40 mm thk. in C:M 1:4 with neat white cement slurry fixed in correct line, level in approved design and pattern. The maximum variation from the stated size other than thickness shall be 0.2 mm, including pointing the joints with matching colour cement, cleaning the surface, curing, acid cleaning the tile work, curing etc., all complete as per directions of the Engineer-in-Charge. including complete flooring, toilets, walls etc.	868	sqft		
4	Installation of zebra blinds triple shade in approved design	195	sqft		
5	Cabinets made out of 19mm thick Commercial board MR Grade, laminated with veneer / laminate as per choice and approval of the competent authority size as per area available.	115	Sqft		
6	<u>LINEAR Work station with side storage</u> Supplying and placing in position of workstation table of approved make Durian as per photograph. Size :- 1500mm(L)x 600mm(D)x 1050mm(H). Table top of workstation made up of 25mm thick pre laminated Particle board of approved shade. Table top supported with MS powder coating C shaped leg 50mm x 50mm thick connected with 50mmx 50mm thick connector. Also having provision of metal wire raceway & grommet for passing wire. Workstation is completely die cut made of prime quality ERW tubular rectangular frame. All steel components are pre treated with anti rust treatment and duly powder coated minimum 50 microns as per approved shades. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. The workstation having lacquered glass divider in front of the seat with ms powder coating holders. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007, SEFA Certificate, I Mark Certificate. Complete as per specification mentioned above & image under the guidance and approval of project architect/consultant & engineer in charge. Provision of one PVC keyboard tray and CPU trolley for each seating.	28	Seats		
6	For Electrical work Complete per work Station & Table Point making 2 Units 6AMP, 1 Unit 16 AMP	32	Seats		

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<u>Executive Table</u>					
7	Supplying and placing in position of office table of approved make Durian as per photograph. The main desk of size 1800mm (L) X 900mm (D) X 760mm (H). Table top shall be made out of 36mm thick pre laminated particle board with the approved shade. Table top supported with side panels and modesty panel. The side panels made out of 36mm thick and 18mm thk modesty panel made up of Prelaminated Particle Board with PVC Edge banding. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. Also a provision of Mobile Pedestal Unit (size:- L-400mm x D-450mm x H-630mm) with a combination of 2 drawer & one filing drawer. The pedestal storage unit shall be made of 18 mm thick prelaminated Particle board with provision of handles & central Locking arrangement. Side Runner shall be of size (L)900mmx (D)450mmx (H)750mm. Top shall be made of 36mm thick prelaminated particle board and rest carcass is of 18mm thick and back panel shall be of 9mm thick prelaminated particle board. The side runner having two sliding shutters, one shelf with loacking arrangement and handle. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007,	4	Nos		
9	Toughend Glass Partation with doors & accessories 12 mm toughned glass with accessories ,Floor Spring Set , Handle Set for Doors,Frosted Film ,Over Panel Patch,Small - L Patch , Cutout's , Holes Complete as per drawing where ever required , complete as per plan	175	per sqft		
Total					

Miscellaneous Civil & repair works for Terrace , 3rd floor roof , boundry wall , exterior common areas & Cabins/Room's of 3rd , 2nd , 1st floor including pantry & other service area of the NDMA Bhawan

S.No	Description Of Item	Quantity	Unit	Rate	Amount in Rs.
Patch Repair Methodology to be Done in Slab From Bottom					
1.0	Chipping of unsound/weak concrete material of 75mm average thickness from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge who should be civil or structural engineer.	235.00	Sqm		
2.0	Cleaning of reinforcement from rust from the reinforcing bars upto 12mm dia to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. Add new bar of same diameter Is the existing bar rusting is more than 80%	325.00	RM		
3.0	Providing mixing and applying over reinforcement bars zinc antirust agent as per specification of Make Primer STD Base' Epoxy Zincrich Primer complete all as specified.	150.00	Sqm		
4.0	Providing, mixing and applying bonding coat of Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make EP Chemical or Equivalent of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.	235.00	Sqm		
5.0	Cleaning of exposed concrete surface of sticking material including loose and foreign material by sand blasting with coarse sand followed by and including cleaning with oil free air blast/iron wire brush as per direction of Engineer in charge	235.00	Sqm		
6.0	M&L Shotcreting R.C.C. columns, beams and slabs etc. in layers 25-50mm thick (Total Thickness) in Grade M 25 with cement content not less than 330 kg per cum with approved design mix concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineerin-Charge Note: Rates shall include the providing necessary ground wires etc.	235.00	Sqm		
7.0	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	235.00	Sqm		
Injection Grouting of Slab					
8.0	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.(The payment shall be made on the basis of actual weight of approved grout injected.)Epoxy injection grout in concrete/RCC work of approved make (Assuming 30ml in one injection nozzle)	450.00	Nos		
Propping of Slab from Bottom					
9.0	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.	235	Sqm		
Slab Water Proofing from Top					

10.0	Demolishing brickbat coba tile/mud phaska covering in terracing to expose mother siba including stacking of serviceable material and disposal of unserviceable material within 50 metres lead	485	Sqm		
11.0	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI 212-3R-2010 i.e by reducing permeability of concrete by more than	485	Sqm		
12.0	Treated surface should be covered by cement concrete screed of minimum M20 grade with an average thickness of 75-100mm by giving proper slope using Integral waterproofing (Hydrophobic liquid admixture) at a dosage of 100 ml per bag of cement.	485	Sqm		
13.0	Removal and refixing of AC outlet and other items on terrace as per engineer incharge direction	16	Nos		
Kota stone flooring & Sand stone boundary wall					
14.0	Removal and disposal of existing interlocking tiles & Floor tiles for prepraing the surface for laying of kota stone	470	sqm		
15.0	Kota stone slab flooring over 20 mm (average) thick base laid over and	470	sqm		
16.0	Mirror polishing on marble work/Granite work/stone work where ever	935	sqm		
17.0	Replacement of broken existing kota stones pieces as per site requirement by dismanteling and taking out existing stone and replacing with new polished piece	40	Sqm		
18.0	Diamentelling and removal of MS grill from existing boundary wall along with removal of granite stone wherever fixed on existing boundary wall also chipping of plaster from boundary wall for fixing of sand stone wall cladding work	270	Sqm		
19.0	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : 6.3.1 With F.P.S.(non modular) bricks	70	cum		
20.0	Stone work (machine cut edges) for wall lining etc. (vener work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately)				
21.0	8.14.1 Red sand stone - exposed face fine dressed with rough backing. 8.14.1.5 30 mm thick	740.00	sqm		
22.0	Landscaping at peepal tree near the rear side entry gate of guard room	1.00	nos		
23.0	Fixing of pillar light on each pillar in existing boundary wall as per the approval of NDMA authorities with all necessary arrangement of electric fittings	30.00	nos		
24.0	Providing and fixing Imported wooden flooring in approved colour and shade and as per approved sample.	6891	sqft		
25.0	Providing & Fixing PVC Board with U Profile , T Profile & corner profile of approved color & design in wall panelling /cladding with necessary components , labor , complete.	13600	sqft		

26.0	Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and two coats of synthetic enamel paint of approved brand and shade using structural steel ,MS pipes etc. as required in Gratings, Cattle Trap, Frames, guard bar, ladder, railings, brackets, gates and similar works and as per approved drawings . including labour, necessary tools & tackles complete etc , This work includes All Main Gates of the building & installation of hard drawn steel wire fabric									4750 Kg		
27.0	Toughend Glass Partation with doors & accessories 12 mm toughned glass with accessories ,Floor Spring Set , Handle Set for Doors,Frosted Film ,Over Panel Patch,Small - L Patch , Cutout's , Holes Complete as per drawing where ever required , complete as per plan									4155 sqft		
28.0	Supply and Installation of Cast iron designor street light poles including luminaries as per approved design including necessary components									24 No's		
29.0	Painting,Pop & Punning Providing and applying Acrylic Emulsion Paint in minimum of three coats of approved make and shade on Walls, Ceiling , surfaces etc including all the necessary surfaces preparation, POP punning to the wall up to average thickness of 12 mm to proper level & plumb, including grooves etc scrapping, base coats etc to receive 3 coats of paint. The wall shall be cleaned, filled with putty & applied with one coat of primer so as to achieve an even surface to apply paint. As per approved color /shade.									7710 Sqft		
30.0	Installation of Red Sand Stone Decorative Murals									3 No's		
	SITC - CCTV , Cabeling , complete											
31.0	Installation of HONEYWELL IP Motorized Varifocal Bullet 4MP Camera 1/3" 4 MP progressive scan imager 2688 x 1520 resolution 3.7 - 13.5 mm MFZ lens True day/night (IR-cut filter) Wide Dynamic Range up to 120 dB Low-light performance down to 0.03 lux (color) or 0 lux with IR LEDs on Up to 164 ft (50 m) IR illumination, depending on scene reflectance H.265 Smart Codec Dual stream support Support up to 128GB Micro SDHC card class 10 PoE (802.3af) or 12 VDC support Plug-and-play compatible with Honeywell Performance Series Embedded NVRs IP66 - rated housing									25 No's		
31.2	Honeywell IP Motorized Varifocal Dome 4MP Camera Metal + Plastic Housing, IH+265/ H.265/H.264, Up to 2560x1440@30fps, Min. illumination Color: 0.002Lux@F1.6, Lens 4MM Fix Lens, 120dB WDR, Smart IR, IR Range: 50m, Built-in Mic, Support tripwire and perimeter Operating Conditions -30°C~60C°, 0~95% RH, Reset Button, POE, IP67, The new Impact IP series caters to all kinds of customer applications.									13 No's		

31.3	HONEYWELL 40 CHANNEL NVR <ul style="list-style-type: none"> IH+265/H.265/H.264 video formats Connectable to the third party network cameras Up to 40-channel input Supports live view, storage, and Playback of the connected camera at up to 12MP resolution Video Output Port: 1-VGA/1-HDMI Video output Resolution: up to 4K(HDMI) 2 SATA interface, up to 10TB for 2 HDD Ethernet Port: 1 RJ45 						2	No's			
31.4	8 TB HARD DISK							4	No's		
31.5	8 Port POE Switch							4	No's		
31.6	PoE Switch 16 channel GIGA							3	No's		
31.7	Waterproof Boxes for POE							7	No's		
31.8	6 U RACK							1	No's		
31.9	Display 43"							2	No's		
31.10	RJ-45 Connector							84	No's		
31.11	CAT-6 WIRE with Conduite & laying , Installation							2000	Mtrs		
31.12	Installation Charges							1	Job		
32.00	Porcelain antibacterial Tiles Providing and fixing first quality porcelain antibacterial Tiles homogenous body on floor & wall's of approved make of H.R. Johnson, Marbitto, kajaria or equilent. Shade and colour to be approved by the competent Authority and of size 1828mm x 914mm having modulus of rupture greater than 500 kg / cm2 and modulus of hardness 8.0 with variation in size less than 0.05% in approved colour, design and size in cement mortar bedding avg. 40 mm thk. in C:M 1:4 with neat white cement slurry fixed in correct line, level in approved design and pattern. The maximum variation from the stated size other than thickness shall be 0.2 mm, including pointing the joints with matching colour cement, cleaning the surface, curing, acid cleaning the tile work, curing etc., all complete as per directions of the Engineer-in-Charge. including complete flooring , toilets , walls etc.							1608	sqft		
33.00	Providing and fixing first quality European water closet of make imog , American standards, Jaguar,kohler,grohe or equilent Constellation in white in colour including providing and fixing cistern ,height 80cm, width 36 cm with necessary porcelain, P/S trap heavy duty plastic seats of approved manufacturer such as commander in approved colour, CP brass hinges, buffers etc., all complete including fixing in position with necessary holes, providing and fixing CP brass screws and connecting the outlet to the soll stack including testing the joints all complete as per specifications and as approved by the Engineer-in-charge							1	No		
34.00	Providing and fixing first quality Urinal, American standards, Jaguar,kohler,grohe or equilent Constellation in white in colour including providing and fixing of all accessories connection etc,all complete including fixing in position with necessary holes, providing and fixing CP brass screws and connecting the outlet to the soll stack including testing the joints all complete as per specifications and as approved by the Engineer-in-charge							3	No		
35.00	Misclaneous Plumbing works with installation of new UPVC Pipes for water inlet from existing main							1	Job		
36.00	Cabinets made out of 19mm thick Commercial board MR Grade , laminated with veneer / laminate as per choice and approval of the competent authority size as per area available.							204	sqft		
37.0	Installation of zebra blinds tribble shade in approved design							500	Sqft		
38.00	Customized Sofa Set as per dimensions made out of C.P Teak Wood , Back having Box Rafters of C.P Teak Wood , Teak wood Arms , Seat 5" HD Ufoam , Back 4" HD Ufoam , upholsted with fabIndia Textile customized denomination as per site							16	Seats		

39.00	Customized Diwan as per dimensions made out of C.P Teak Wood , cushion 5" HD Ufoam ,upholsted with fabIndia Textile (2+2) with two pair of bed sheets & cushion with covers						1	No's		
40.00	Carved Side Tables						8	No's		
41.00	Carved Center Table						4	No's		

S.No	Particulars - Control Room	Qty	Unit	Rate	Total
1	Painting, Pop & Punning Providing and applying Acrylic Emulsion Paint in minimum of three coats of approved make and shade on Walls, Ceiling, surfaces etc including all the necessary surfaces preparation, POP punning to the wall up to average thickness of 12 mm to proper level & plumb, including grooves etc scrapping, base coats etc to receive 3 coats of paint. The wall shall be cleaned, filled with putty & applied with one coat of primer so as to achieve an even surface to apply paint. As per approved color /shade.	1100	Sqft		
2	Porcelain antibacterial Tiles Providing and fixing first quality porcelain antibacterial Tiles homogenous body on floor & wall's of approved make of H.R. Johnson, Marbitto, kajaria or equilent. Shade and colour to be approved by the competent Authority and of size 1828mm x 914mm having modulus of rupture greater than 500 kg / cm2 and modulus of hardness 8.0 with variation in size less than 0.05% in approved colour, design and size in cement mortar bedding avg. 40 mm thk. in C:M 1:4 with neat white cement slurry fixed in correct line, level in approved design and pattern. The maximum variation from the stated size other than thickness shall be 0.2 mm, including pointing the joints with matching colour cement, cleaning the surface, curing, acid cleaning the tile work, curing etc., all complete as per directions of the Engineer-in-Charge. including complete flooring, toilets, walls etc.	800	sqft		
4	Installation of zebra blinds tribie shade in approved design	80	sqft		
5	Cabinets made out of 19mm thick Commercial board MR Grade, laminated with vincer / laminate as per choice and approval of the competent authority size as per area available.	215	Sqft		
6	For Electrical work Complete per Station & Table Point making 2 Units 6AMP, 1 Unit 16 AMP	20	Seats		
7	<u>Executive Table</u> Supplying and placing in position of office table of approved make Durian as per photograph. The main desk of size 1800mm (L) X 900mm (D) X 760mm (H). Table top shall be made out of 36mm thick pre laminated particle board with the approved shade. Table top supported with side panels and modesty panel. The side panels made out of 36mm thick and 18mm thk modesty panel made up of Prelaminated Particle Board with PVC Edge banding. All working or non working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. Also a provision of Mobile Pedestal Unit (size:- L-400mm x D-450mm x H-630mm) with a combination of 2 drawer & one filing drawer. The pedestal storage unit shall be made of 18 mm thick prelaminate Particle board with provision of handles & central Locking arrangement. Side Runner shall be of size (L)900mmx (D)450mmx (H)750mm. Top shall be made of 36mm thick prelaminate particle board and rest carcass is of 18mm thick and back panel shall be of 9mm thick prelaminate particle board. The side runner having two sliding shutters, one shelf with locking arrangement and handle. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007,				
7.1	6.8' x 2' Curved	2	Nos		
7.2	4.6 x 2'	1	No		
8	<u>Executive Chairs</u> Supplying and placing in position of 360 degrees revolving medium back chair as per photograph. Size :- (W)610mm X (D)660mm X (H)1110mm, back height- 590mm, depth- 525mm, max seat height- 545mm, mini seat height- 445mm. The chair shall be ergonomically design contour lumbar back design made of 12mm thick BWR plywood (IS Grade - 303 for seat upholstered with mesh and fabric and cut foam. The novel S curve of the backrest ensures that the natural curve of the spine is maintained while the adjustable Leaf Lumbar Support with C- Curve provides extra comfort and support to the lower back. Adorned with a ventilated body fabric, it keeps you calm even on the most stressful days. The Self-weight Multi-Locking Mechanism lets you find your perfect position without having to make adjustments while the adjustable armrest further provides an ultimate ergonomic experience. The solid chrome base provides extraordinary support, and the 360mm castors help in an easy smooth movement. The product shall be from ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018, ISO 50001:2018, BIFMA, Indian Green Building Council (IGBC), AIOTA, GREEN GUARD Compliance, FSC Certificate, SEDEX Certificate, ISO 21015:2007, SEFA Certificate, I Mark Certificate. Complete as per specification mentioned above & image under the guidance and approval of project architect/consultant & engineer in charge.	9	Nos		
9	Toughend Glass Partation with doors & accessories 12 mm toughned glass with accessories ,Floor Spring Set , Handle Set for Doors,Frosted Film ,Over Panel Patch,Small - L Patch , Cutout's , Holes Complete as per drawing where ever required , complete as per plan	60	per sqft		
10	Providing and Fixing of Wall Panels, made out of sections of kail wood laminated with 12mm commercial ply on exposed sides with teak vincer , in approved design , duly Polish in approved Shade.	396	per sqft		
11	Providing and Fixing in position, Heavy Duty ergonomically designed chairs with gravity type, spring free TIP-up, rocking Auditorium Chairs with central Pedestal shall be fully upholstered with rigid PVC Back, conforming to the specifications. The Chair shall be fixed as per approved layout	6	No's		
12	Installation of Wall type bunker beds made out of 3/4" commercial board with mattress	2	No's		

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Summary		
Sr No.	Details	Amount
1	Hall - 1 Reception Back Office	
2	Hall - 2 PAO	
3	Hall - 3	
4	Misclanious Civil works for Terrace , 3rd floor roof , boundry wall , exterior common areas & rooms , corridor panelling at 1st , 2nd , 3rd floor	
5	OPS Control Room	
A	Total	
B	Agency Charges @ 3 %	
C	GST@ 18%	
D	Total Amount with Taxes , Complete	

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List of Approved Make for Civil Work

The following are approved brand makes / manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names / manufacturer's makes may be used as per approval of Client / Architect.

Sr. No	Item	Approved Make
1.	Ordinary Portland Cement	Ambuja, Ultratech, Jaypee, Sidhee , Hathi, Sanghi
2.	White Cement	Birla, J.K
3.	TMT FE -500/415	Tata, SAIL, RINL (VIZAG), JSW, Essar Steel, Sanghi, Electrotherm Steel, Jindal Steel
4.	Structural Rolled Steel sections - beams, Channels, tee, flats, angles, bars(Round, square, hexagonal, bright), etc	Tata, SAIL, RINL
5.	Structural Hollow steel sections(Square & Rectangular)	Tata, Asian, Jindal, Surya, Appolo.
6.	Structural tubular sections	Tata, Asian, Jindal, Surya, Appolo.
7.	Coarse Aggregates (machine cut) Approved quarry from 6mm to 40mm sizes (Hard black trap stone)	Sevalia, Vadagam or approved by Client
8.	Stone Rubbles & Gravels Approved quarry from(Hard black trap stone)	Sevalia, Vadagam or approved by Client
9.	Paver blocks	Vyara, Super , Sona tiles or equivalent
10.	Shuttering plywood	Kitply, Anchor, Green, Pragati
11.	BWP plywood as per – IS - 710	Green, Duro, Century, Silicon(evoke)
12.	Commercial Plywood – IS – 303 (BWR/MR)	Green, Duro, Century
13.	Decorative ply (Veneer)	Green, Duro, Century, Silicon(evoke)
14.	MDF	Nuwood ,Maftalal, Duratuff.
15.	Prelam particle board	Novapan, Bhutan .(exterior grade only)
16.	Laminate sheet	Greenlam, , Sundeck, Bloom , Marino,
17.	Cement bonded particle board	NCL (Bison board), Everest (Eternite) Shera
18.	Flush door- decorative / non decorative	Green, Duro, Century , EURO
19.	Compact sheet	Vir, Bloom, Formica , Merino , Stylam
20.	Locks	Godrej, Dorset, Yale, EPPW, Dorma, Kitch.
21.	Float Glass / Mirror	Modi guard, Saint gobain, Ashahi, HNG
22.	MS Rolling shutter	Sarvottam, Suryoday, Gandhi, Sagar
23.	Glass Mosaic	Pavit, Italia, Bissaza , Piccolo
24.	Glazed tiles	Somany, Vermora, Smpolo, Sunheart , Kajaria Nitco
25.	Ceramic tiles	Somany, Vermora, Smpolo, Sunheart , Kajaria Nitco

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26.	Vitrified Tiles	Somany, Vermora, Simpolo, Sunheart, Kajaria Nitco
27.	Construction chemicals	M.C. Bauchemie, Fosroc, Sika, Cico, Pidilite, Sika, Krishna con chemical, Ashford, BAL, BASF., Kerakol
28.	Joint Filler / silicon paint	Wacker, Dowcorning, Sika, Chokshi, Saudal.
29.	Pre-coated steel roofing/ walling sheets	Tata blue scope Interarch, Nippon Dendro (polysteel) Metacolor, ShreePrecoated (Meta color)
30.	Paint, primer	Asian, Berger, ICI,
31.	putty	Birla, Berger, Asian
32.	Polish	MRF, Asian, ICI, Taralac
33.	Water stops	Arti Cables, Fixopan
34.	Door Window & Furniture Hardware	Enox, dorma, godrej, Kitch, EPPW, Dorma, Palladium, Ozon, Magnum, Yale.
35.	Adhesives	Fevicol, Kitcol, Araldite, BAL.
36.	Anchor fastener / bolts	Hilti. Fischer, Mungo
37.	Linseed oil	Saffola
38.	Aluminum sections	Jindal, Hindalco, Gujarat extrusion, Banco
39.	Aluminum finish	Color anodized / pure polyester powder coating
40.	Window locks cum handle	Alualpha, Giessee or equivalent.
41.	Filler rubber of glass panel	EPDM quality only
42.	Wool felt/weather strip	Anand, red-diplex ltd or equivalent
43.	Rust Remover	Feovert (Krishna Conchem), Roff Rust Clear (Pidilite Industries)
44.	Polymer bonding agent	Monobond (Krishna Conchem), Roff Bond Repair (Pidilite Industries)
45.	Non-shrink grout	Polygrout -HS (Krishna Conchem), Roff Grout GP (Pidilite Industries)
46.	Super plasticizer for jacketing	Supercon-100 (Krishna Conchem), RoffPlast 330 / Concrete Master
47.	Rebar and Anchor Fasteners	Hilti or Fischer OR Mungo.
48.	Acrylic SBR base bonding agent	Mono-bond SBR (Krishna Conchem), CICO, BASF, Pidilite
49.	Epoxy Bonding	EPI bond 21 LP (Krishna Conchem), Roff Concrete Bond (Pidilite)
50.	Anti Termite Chemicals	Chloropyriphos/ Biflex TC / lindane/Bayer Crop Science
51.	PVC Sleeve	Supreme / Astral / Prince
52.	Expansion Board	Capcell HD Board
53.	Expansion Joint	Pidilite / Roof/ Laticrete
54.	Expansion Joint System	3R as per Item description
55.	Water Proofing	BASF/ Fosroc / Sika, Pidilite
56.	Overdeck Insulation	BASF/ Fosroc / Sika, Pidilite
57.	Tile Chemical	Bal, Laticrite, Kerakoll
58.	PVC spacer	BAL Endura / Kerakoll / BASF
59.	PVC Flooring	Armstrong, Gerflor, Tarkett

60.	Self Levelling Chemicals	Ardex / BASF / Cico / Sika
61.	Anti bacterial Paint	Sikka / Liquid Plastic/SSK/Viessmann /artilin / BASF / Huntsman
62.	Galvalume roofing sheet	Jindal,Mansha,Eashar
63.	Pre coated Sheet	J.S.Eng., Fielders, Rama, Shree Precoated, S.Kumar
64.	Kota	As per approved sample by Architect/ Client
65.	Granite	As per approved sample by Architect/ Client
66.	Floor stamping	Ultratech, Vyara, Flexstone or Equivalent
67.	WPC door	Alstone , Flexibond or equivalent
68.	Toilet cubical	Marino , Greenlam , Metalium , Satylam
69.	Roofing shingles	Saint Gobain , Malarkey , Technicol or equivalent
70.	Fiber Cement sheet board	Ecopro, Everest , Shera , CK Birla Group
71.	Roof Gutter	Saint Gobain , Malarkey , Technicol
72.	Deckwood	Shera , Indowood , Ecopro , Century
73.	Exterior Fins	Metalium , Supersil, Hunterdouglas

PLUMBING MAKE LIST OF APPROVED MAKES

The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.

Sr. No	Description	Approved Make
1.	SWR PVC PIPE & FITTINGS 6 KG CM ² ; FITTINGS : 6 KG CM ² ECO. DRAIN PIPE & FITTINGS	FINOLEX / SUPREME/PRINCE/ SUPREME/ ASTRAL
2.	GULLY TRAP	GIRCO / TIRUMALA / SONIA/ SUPREME/ ASTRAL
3.	STONE WARE PIPES FOR INTERNAL UNDER GROUND DRAIN PIPE	GIRCO / TIRUMALA / SONIA
4.	RCC HUME PIPES EXTERNAL MAIN UNDER GROUND PIPE	INDIAN HUME PIPE / PRANALI
5.	C.I. PIPE & FITTINGS	NECO OR EQ.
6.	PPR PIPES & PPR FITTINGS	SUREME/PRINCE
7.	M.S/G.I. PIPES FOR WATER SUPPLY	TATA / JINDAL/ SWASTIK
8.	ASTM/CPVC PIPE & FITTINGS FOR WATER SUPPLY	ASTRAL / SUPREME/ASHIRWAD
9.	COMPOSITE PLUMBING PIPE & COMPOSITE FITTINGS	KITEC OR EQ.
10.	G.I. PIPES FITTINGS WATER SUPPLY	DRP-M / R-BRAND / ZOLOTO
11.	GI TO GI JOINTS	CHAMPION / EQUIVALENT
12.	SOLVENT CEMENT	SUPREME / KISSAN / FINOLEX
13.	BALL VALVES	LEADER / ZOLOTO / AUDCO
14.	WHEEL VALVES	LEADER / ZOLOTO/AUDCO
15.	DCV / NRV	ZOLOTO/SPIREX/AUDCO
16.	TAR	SHALIBIND / TIKIBOND-BS
17.	SELF PRIMING SEWAGE PUMPS	HBD / GRUNDFOS
18.	VALVES	AUDCO/ZOLOTO / R.B. / KBL / KSB
19.	PUMPS	GRUNDFOSS/ KIRLOSKER /
20.	STARTER	SIEMENS / L&T
21.	PRESSURE GAUGE	BELLS / H GURU

(A)

22.	DEWATERING PUMPS	GROUNDFOSS/KIRLOSKER/ KSB
23.	HYDROPNEUMATIC SYSTEM	GRUNDFOSS / ITT LOWARA
24.	SANITARY FIXTURES	JAQUAR / HINDWARE / PARRYWARE / CERA /KOHLAR
25.	EOT CRANE WITH HOIST	INDEF / ELECTROMECH / SAFEX / WH - BRADY / EQUIVALENT
26.	METALLIC BELLOWS	BELLOW FLEX / PRICISION / DHRUV / B.D. ENGR.
27.	R.O.PLANT	ION EXCHANGE /POWER H20 / THERMAX
28.	SOFTENER PLANT	ION EXCHANGE /POWER H20 / THERMAX
29.	SOLAR SYSTEM	SOAHEART/RECOLD/TATA -BP
30.	ELECTRIC GEYSER	A-O SMITH/ RECOLD/SPHERHOT
31.	HOT WATER GENERATOR	THERMAX/A.O.SMITH / KEPL
32.	SEWAGE TREATMENT PLANT	ARVIND / THERMAX / ION EXCAHNGE /
33.	FOAM CORE PIPES SN2,SN4,SN8	ASTRAL/SUPREME/FINOLEX/ASHIRWAD

**ELECTRICAL MAKE LIST OF APPROVED
MAKES**

(14)

The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.

SR.NO	MATERIAL DESCRIPTION	MAKES OF COMPANY
HT PANELS, HT CABLES, TRANSFORMER & DG SET		
1	HT VCB	SEIMENS, ABB, L&T, CG, AREVA
2	HT CABLE	HAVELLS, FINOLEX, TORRENT, POLYCAB
3	DRY TYPE TRANSFORMER	KIRLOSKAR, ABB, T&R, CROMPTON, ELECTROTHERM, POWERLITE
4	DG SETS & AMF PANEL	CUMMINS, KIRLOSKAR, STERLING, CATERPILLAR
5	CABLE JOINT KIT	RAYCHEM, DENSON, M-SEAL
LT PANELS, LT CABLES SWITCHGEAR & ACCESSORIES		
1	ENCLOSURE MANUFACTURER	ACTIVE ENGINEERS, ELEMEC LTD, PRIMA AUTOMATION, SHIVSHAKTI, SWATI SWITCHGEARS. (SHALL BE CPRI APPROVED)
2	MCB/ELCB/RCCB/ELMCB	LEGRAND DX3, ABB, HAGER, SCHNEIDER, C&S, L&T, SEIMENS
3	MCCB/ACB	LEGRAND DX3/DPX3, ABB, SCHNEIDER, SIEMENS, L&T-UPOWER, MITSSUBISHI
4	DISTRIBUTION BOX	LEGRAND, ABB, HAGER, SCHNEIDER, C&S, L&T, SEIMENS, MITSSUBISHI
5	CHANGEOVER SWITCH	HH ELECON, L&T, ABB, HPL, C&S
6	CAPACITOR	Havells, Epcos, Subodhn, Schneider, Matrix
7	PUSH BUTTON	SIEMENS, ABB, L&T, SCHNEIDER
8	INDICATING LIGHT	SIEMENS, ABB, L&T
9	TIMERS	L&T, SIEMENS, ABB, CONZERV
10	SELECTOR SWITCH	L&T, SEIMENS, KAYCEE
11	AUTOMATIC TRANSFER SWITCH	L&T, HPL, CUMMINS, HAVELLS
12	CTs	KAPPA, L&T, AREVA, MAXWELL, ASHMORE
13	PTs	KAPPA, L&T, AREVA, MAXWELL, ASHMORE
14	CONNECTORS	L&T, SCHINDER, SEIMENS, ABB
15	PROTECTION RELAY	AREVA, L&T, ABB, SEIMENS
16	ANALOG/DIGITAL METER/LOAD MANAGER/MFM	CONSERV, L&T, SCHNEIDER/ABB/HPL. ELMEASURE, LEGRAND, SEMS
17	IRON CLAD SWITCH WITH REWIREABLE FUSE/SFU	KEW, TRISHUL, SUPER, C&S
18	METALCLAD SWITCH WITH REWIREABLE FUSE/SFU	HAVELLS, KEW, C&S, INDOASIAN

19	MAIN LT CABLE	AVOCAB,FINOLEX,PRIMECAB,POLYCAB,DIAMOND POWER,RRCABLE,HAVELLS,RR
20	CABLE GLANDS	COMET, HMI, DOWELLS, SIEMENS,CROMPTON,HEX
21	CABLE LUGS	DOWELLS,JOHNSON,HEX
22	BUSDUCT	L&T,SCHNEIDER,C&S,SEIMENS,LEGRAND
INTERNAL WIRING, FIXTURES & ACCESSORIES		
1	RIGID FR PVC CONDUIT	NIHIR,PRECISION,POLYCAB,BEC
2	ACCESSORIES OF CONDUIT	NIHIR,PRECISION,POLYCAB,BEC
3	COPPER FLEXIBLE WIRES	FINOLEX,POLYCAB,RRCABLE,HAVELLS
4	TISSINO TYPE SWITCHES & SOCKETS	POINTER-TRUMP, SSK-TOPLINE PC, ANCHOR-PENTA CHEERY,
5	MODULAR TYPE SWITCHES & SOCKETS	LEGRAND-MYRIUS-BLENZE, MK-WRAP ROUND, ANCHOR- WOODS, HAVELLS-CRABTREE-ATHENA,L&T ENGLAZE
6	PVC TAPE	STEEL GRIP,ANCHOR
7	M.S. CONDUIT	BEC,AKG,STEEL CRAFT
8	LIGHT FIXTURES & LAMPS	PHILIPS,WIPRO,CROMPTON,LIGHTING TECHNOLOGY, TISVA , NIRVANA , XAL , OSRAM , ENSAVE,BAJAJ ,ENDO
14	CEILING FAN & EXHAUST FAN	USHA,CG,ORIENT,HAVELLS
15	CALL BELL	ANCHOR/ORPAT/MAX
16	WINDOW/SPLIT TYPE A.C. MACHINE	CARRIER,PANASONIC,DAIKIN,HITACHI,BLUESTAR
17	WATER COOLER	VOLTAS,USHA,BLUESTAR
18	GEYSER	RECORD,HAVELLS,BAJAJ,SPHEREHOT
19	MOTOR PUMP SET	CROMPTON,AMRUT,KSB,UNEEL,KIRLOSKAR
CABLE TRAY, RACEWAY & ACCESSORIES		
1	CABLE TRAY	INDIANA,RUSHABH,PROFAB
2	ALUMINIUM FLOOR RACEWAY	MK /LEGRAND
3	GI FLOOR RACEWAY	MK /LEGRAND
4	PVC WALL RACEWAY	MK, PROFAB,LEGRAND
UPS & INVERTER		
1	UPS	NUMERIC,EATON,APC, HITACHI
2	INVERTER	SUVIK,SUKAM,MEGATECH
3	SMF BATTERY	PANASONIC,EXIDE,GLOBAL (YUASA)
4	RACK	VALRACK,DLINK,SIEMON
STREETLIGHT POLES, FIXTURES & ACCESSORIES		
1	GI POLES	FABRICATED
2	HIGH MAST POLES	CG OR AS APPROVED BY CONSULTANTS
3	SMC PRESS MOULDED JUNCTION BOX	SYNTEX OR AS APPROVED BY CONSULTANTS
LIGHTNING PROTECTION & EARTHING SYSTEM		
1	AIR TERMINAL	MAP, LPI, INDESCO,JEF,OBO,POWETRACK

2	SUPPORTING GAYED MAST	MAP, LPI, INDESCO, JEF, OBO, POWETRACK
3	LIGHTNING STROKE RECORDER	MAP, LPI, INDESCO, JEF, OBO, POWETRACK
4	COPPER BONDED ROD & CHEMICAL COMPOUND	MAP, LPI, INDESCO, ERICO, RAPID, DOCKSUN
5	ELECTROLYTIC/CHEMICAL EARTHING KIT	GRESLO, GALAXY EARTHING, ERICO, RAPID, DOCKSUN
ELV SYSTEM & ACCESSORIES		
1	FIRE ALARM PANEL & DISPLAY PANEL	ESSER, EDWARD, NOTIFIER, HONEYWELL
2	REPEATER PANEL	ESSER, EDWARD, NOTIFIER, HONEYWELL
3	ADDRESSABLE & CONVENTIONAL SMOKE DETECTORS	ESSER, EDWARD, NOTIFIER, HONEYWELL
4	INTELLIGENT SMOKE & HEAT DETECTORS	ESSER, EDWARD, NOTIFIER, HONEYWELL
5	ADDRESSABLE & CONVENTIONAL HEAT DETECTORS	ESSER, EDWARD, NOTIFIER, HONEYWELL
6	ADDRESSABLE & CONVENTIONAL BEAM DETECTORS	ESSER, EDWARD, NOTIFIER, HONEYWELL
7	FAULT ISOLATOR	ESSER, EDWARD, NOTIFIER, HONEYWELL
8	RESPONSE INDICATOR	ESSER, EDWARD, NOTIFIER, HONEYWELL
9	MANUAL CALL POINT	ESSER, EDWARD, NOTIFIER, HONEYWELL
10	ADDRESSABLE HOOTER	ESSER, EDWARD, NOTIFIER, HONEYWELL
11	FIRE CABLE	RRCABLE, FINOLEX, DELTON, POLYCAB
12	RJ-45 SOCKET OUTLET (COMPUTER & TELEPHONE)	LEGRAND-MYRIUS, MK-WRAP ROUND, ANCHOR-WOODS, HAVELLS-CRABTREE-ATHENA
13	RJ-11 TELEPHONE SOCKET	LEGRAND-MYRIUS, MK-WRAP ROUND, ANCHOR-WOODS, HAVELLS-CRABTREE-ATHENA
14	CAT-6 CABLE	TYCO ELE(AMP), SCHINDER ELE.(DIGILINK), R&M, SYSTIMAX, MOLEX, LEGRAND, FINOLEX, DLINK, HAVELLS
15	CAT-6E CABLE	TYCO ELE(AMP), SCHINDER ELE.(DIGILINK), R&M, SYSTIMAX, MOLEX, LEGRAND, FINOLEX, DLINK, HAVELLS
16	FIBER OPTIC CABLE & OTHER ACCESSORIES (SC LC PATCH CORD)	POLYCAB, HAVELLS, SCHNEIDER, DLINK, DIGILINK
17	TELEPHONE TAG BOX	KRONE
18	TELEPHONE PAIR WIRE	RRCABLE, FINOLEX, DELTON, POLYCAB
19	EPABX	AVAYA, NEC, SEIMENS
20	NETWORK SWITCH	COMNET, CISCO, HP, MATRIX OR APPROVED BY CONSULTANT
21	ETHERNET SWITCH	COMNET, CISCO, HP, MATRIX OR APPROVED BY CONSULTANT

22	SFP MODULEs & OTHER ACCESSORIES	CISCO,LEGRAND,DLINK,DIGISOL,SIEMENS
23	PATCH CORDS	COMNET,CISCO,HP,MATRIX OR APPROVED BY CONSULTANT
24	U RACKS	VERO PRESIDENT,VALRACK,SPIDER,SCHNEIDER,STECKO ME
25	PUSH BUTTON PHONE	PANASONIC OR APPROVED BY CONSULTANTS
26	PROGRAM PHONE	PANASONIC OR APPROVED BY CONSULTANTS
27	AMPLIFIER (POWER & BOOSTER)	YAMAHA, CROWN, CAMCO
28	AUDIO MIXER	ALLEN & HEATH, YAMAHA, SOUNDCRAFT
29	CD/DVD/FM PLAYER	SHURE, AUDIOTECH, AUDIOPOWER, JBL, AUDIOQUEST.
30	MICROPHONE	SHURE, AUDIOTECH, AUDIOPOWER, JBL, AUDIOQUEST.
31	MULTIPLEXER	SHURE, AUDIOTECH, AUDIOPOWER, JBL, AUDIOQUEST.
32	CEILING AND WALL SPEAKER	SHURE, AUDIOTECH, AUDIOPOWER, JBL, AUDIOQUEST.
33	GOOSENECK MIC	SHURE, AUDIOTECH, AUDIOPOWER, JBL, AUDIOQUEST.
34	SPEAKER CABLE	RRCABLE, FINOLEX,DELTON,POLYCAB
35	CCTV	HONEYWELL, AVIGILON, SCHNEIDER (PELCO), SONY, BOSCH,AVTRON,CP PLUS
36	DIGITAL VIDEORECORDER	HONEYWELL, AVIGILON, SCHNEIDER (PELCO), SONY, BOSCH
37	NETWORK VIDEORECORDER	HONEYWELL, AVIGILON, SCHNEIDER (PELCO), SONY, BOSCH
38	LED/LCD DISPLAYUNIT	SONY, SAMSUNG,PANASONIC,SHARP

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**LIST OF APPROVED MAKES OF
MATERIAL INTERIOR**

The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.

No	Item	Approved Make
1.	COMPOSITE MARBLE	CLASSIC MARBLE(CMC) ,ASIAN , NITCO ,RAK, QUATRO
2.	CORIAN	ASPIRON, DU PONT MONTELI , NEONNEX, SAMSUNG
3.	WOODEN FLOORING	MIKASA,ECOSOFT,QUICK STEP, PERGO, ARMSTRONG
4.	CARPET FLOORING	DUPOND SARONA, FLOTEX , INTERFACE, MILLIKEN
5.	HARDWARE & FITTINGS	DORMA , GEZE ,HAFELE. KITCH, GODREJ , ENOX
6.	GLASS	SAINTGOBAIN,MODIGUARD , ASAHI , JAJOO
7.	WOOD	TEAK, SAL, SYCAMORE
8.	FLUSH DOOR	GREENPLY, CENTURYPLY, EUROPLY, NIPPON,
9.	PLY (BWP - IS 710 & BWR IS 303)	GREENPLY, CENTURYPLY, EUROPLY, NIPPON
10	LAMINATE	GREENPLY, CENTURYPLY, EUROPLY, ROYAL TOUCH , FORMICA, NIPPON
11	VENEER	GREENLEM, CENTURYPLY, EUROPLY, TIMEX ,NATURAL DECOWOOD
12	CEMENT SHEET	SHERA , EVEREST , BISON
13	MDF BOARD /VIROC	GREEN ,VENTURA , CENTURY
14	ALLUMINIUM SECTION	JINDAL , DOMAL SERIES , HINDALCO
15	FULL HEIGHT PARTITION	SAINT GOBAIN , USG BORAL
16	GLASS PARTITION	SONIC, OTIC ,GEBB, BENNE , KUBIK
17	PAINT	JOTUN, ASIAN, BERGER
18	MODULAR FUNITURE	WIPRO, EPL , MONARCH, FEATHERLITE, ETHOS ,GODREJ,HAWORTH,HNI ERGO
19	CHAIR	WIPRO, MONARCH, FEATHERLITE, ETHOS , AMARDEEP
20	ROLLER BLINDS MOTORISED SYSTEM	FARRARI , TOSO, SOMPHY MARVEL, HUNTER DUGLUS, VISTA
21	FABRIC	VEROSOL, DE DECORA, OPERA, SJ,MONTERO
22	SINK	NIRALI , JAYNA , NEELKANTH, CARYSIL
23	NAHNI TRAP	JAYNA ,CAMRY , SUPREAM
24	GLASS FILM	3M DINOC FILM,AVERY,GARVEY

25	POLYCARBONATE SHEET	DUNPALON , GE, LEXAN , MAKROLON, BAYER
26	ARTIFICIAL GRASS	ECOSOFT, NAMGRASS

27.	HARDWARE & FITTINGS	GEZZE ,DORMA,HEFELE,KITCH ,OZONE
28.	FALSE CEILING	AEROLITE, ANUTONE, ,USG BORAL,SAINT GOBAIN , ARMSTRONG
29.	METAL CEILING	METALIUM , SUPERSIL , SAINT GOBAIN
30.	ACCOUSTIC BOARD	ECOTONE , ARTOISE , AEROLITE
31.	ACP	VIVA, EUROBOND , ALSTRONG, ALUDECOR, ALUCOBOND , ALSTONE ,