

NOTICE INVITING QUOTATION

The Registrar, National Law University, Delhi invites **Percentage Rate Quotation** from the eligible and enlisted contractor of appropriate class of CPWD, MES and Railways.

S. N o.	Name of work & location	Estimate cost put to bid	Earnest Money	Period of completion	Last date of submission of bid	Last date of opening of bid
1	Annual repair and maintenance of Academic Block during 2018-19 (SH: White Wash and Painting of Classrooms)	1,63,425/-	3269/-	10 Days	17/07/2018 01:00 PM	17/07/2018 03:00 PM

The Quotations may be downloaded from www.nludelhi.ac.in free of cost.

The Tender Box is available at the main reception of the University where quotations are to be submitted.

**The Registrar
National Law University, Delhi**

CHECK LIST FOR BIDDERS FOR SUBMISSION OF BIDS

- 1 The bidder should read all the instructions, items & conditions, contract clauses, nomenclature of items, specifications etc., contained in the bid document very carefully, before quoting the rates.
- 2 The bidder should also read the General Conditions of Contract for CPWD works 2014, published by DG (W), CPWD, Nirman Bhawan, New Delhi which will be a part of the Agreement with up to date amendments upto the date of receipt of tenders.
- 3 Rates must be filled both in words and figures. Amount should be worked out for all the items.
- 4 The bidder shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing extra shall be payable unless otherwise specified.
- 5 The bidder shall have to make his own arrangement for housing facilities for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at his own cost. No labour huts will be allowed to be constructed at the project site except a few temporary sheds for chowkidars and storekeepers at project site. Any decision in this regard shall rest with the Advisor Technical and the contractor shall have no claim on this account.
- 6 The bidder shall quote his rebate if required, mentioning specifically on what component it is applicable otherwise it shall be considered general rebate on total quoted rates.
- 7 The work required to be executed in occupied block. The bidder shall take precaution to ensure quality of workmanship as well as the progress of the work. He shall regulate the labour accordingly.
- 8 The bidder shall make arrangement for disposal of dismantle materials from upper floors which are environment friendly.
- 9 **C.P.W.D Contractor's Labour Regulations:**
Payment of Wages (as per DG, CPWD OM no. DG/SE/CM/CON/283 dated 05.05.2015)
 - (i). Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.
 - (ii) All wages shall be paid through bank or ECS or online transfer.
 - (iii) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour.
 - (iv) The contractor shall obtain from the Consultant Technical or any other authorized representative of the University as the case may be, a certificate under his

signature at the end of the entries in the “Register of Wages” or the “Wage cum-Muster Roll” as the case may be in the following form:-

“Certified that the amount shown in column No.....has been paid to the workman concerned through bank account of labour on.....at.....”

10 Modifications as per DG, CPWD OM no. DG/SE/CM/CON/285 dated 21/06/2015:-

- a. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registration or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare board and program chart(time and progress) within the period specified in schedule ‘F’.
- b. As per recently introduced clause 7A, no running account bill shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW welfare board whatever applicable are submitted by the contractor to the Engineer-in-charge/ Advisor Technical.
- c. The contractor shall also comply with provision of the interstate migrant workman (regulation of employment) and condition of service at 1979.

List of Documents to be attached with the bid submission in a separate envelope:

- (i) Treasury Challan/Demand Draft/Pay order or Banker's Cheque against EMD.
- (ii) Enlistment of the contractor.
- (iii) Certificate of Registration GST.
- (iv) Certificate by the agency that "I have inspected the site and rates are quoted accordingly".
- (v) Earnest Money in the form of Demand Draft or Pay Order or Banker's Cheque (drawn in favour of The Registrar, National Law University, delhi) must be deposited in the University in a separate envelope.

Note: No cutting/over writing shall be allowed in Treasury Challan/Demand, Draft/Pay order of Banker's Cheque of any scheduled Bank. If found so, their bid will be rejected.

The Registrar
National Law University, Delhi

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the University for a sum of Rs. * _____

(Rupees* _____)

The letters referred to below shall form part of this contract Agreement:-

- i) *
- ii) *
- iii) For & on behalf of the University.

Dated *

Signature

Designation

To be filled by the contractor

GENERAL CONDITIONS AND SPECIFICATIONS

1. In case there is any discrepancy between English Version and corresponding Hindi version, if provided, then the provisions in English Version will prevail.
2. Wherever any reference to any Indian Standard Specifications/ International standard occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders.
3. Samples for particular items of work shall be prepared, where so specifically desired by Engineer-in- charge, for prior approval of the Advisor Technical, before taking up the same on mass scale and nothing shall be payable on this account.
4. Wherever desired by Advisor Technical, the contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-charge & this sample unit shall be got approved from the Advisor Technical before mass construction is taken up .No extra claim, whatsoever beyond the payment due at agreement rates, will be entertained to the contractor on this account .
5. The contractor shall take instructions from the Advisor Technical for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls or any other structure are to be constructed.
6. If as per municipal rules, or due to any other restrictions, the huts for labourers are not to be erected at the site of work by the contractors, then the contractors shall provide such accommodation at such locations as are acceptable to local bodies, or contractor shall make his own alternative arrangement for stay of labourers outside the site of work, for which nothing extra shall be payable.
7. If ISI marked products are available, the contractor shall use only ISI marked products with the approval of Advisor (Technical). In other cases, the materials shall conform to CPWD specifications. In case a materials/product is neither covered by ISI nor by CPWD specification, the work shall be carried out as per sound engineering practice, in such case, the decisions of the Advisor Technical shall be final & binding. In such cases Advisor Technical shall satisfy himself about the quality of such materials and give his approval in writing. Only articles classified as first quality by the manufacturers shall be used,

unless otherwise specified. All materials not bearing ISI mark shall be tested as per relevant ISI specifications. The Advisor Technical may relax the condition regarding testing if the quantity of the materials required for the work is small. In all cases of use of ISI marked materials, proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Advisor Technical.

8. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions and nothing extra shall be payable on this account.
9. Other agencies doing works related with this project will also simultaneously execute the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, opening etc., for laying/burying in the work pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in such a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same. The contractor shall extend necessary co-operation to other such agencies without any claim on this account.
10. Any cement slurry, required to be added over base surface for bond or for continuation of concreting, its cost shall be deemed to have been included in the respective items, unless specified otherwise and nothing extra shall be payable nor extra cement shall be considered in the cement consumption on this account.
11. Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Advisor Technical. Double handling of materials or excavated earth, if required, shall have to be done by the contractor at his own cost.
12. No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
13. (a) The building work will be carried out in the manner complying in all respect with the requirements of relevant bylaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Advisor Technical and nothing extra will be paid on this account
(b) The work of water supply, internal sanitary installations and the drainage work etc may required to be carried out as per local Municipal Corporation or such local body-Bylaws and the contractor in such cases shall produce necessary completion certificate from such authorities after completion of the work.
14. The contractor shall give a performance test of the entire installation(s), as

per standing specifications, before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test .

15. Any damage to work resulting from weathering conditions, defacing or from any other cause such as negligent act on the part of contractor, until the work is taken over by the Department after completion of work, shall be made good by the contractor at his own cost .
16. Dismantling of cement concrete floors inside the quarters shall be done with the help of mechanized vibratory hammer, drills etc. The work shall be carried out in such a way that there should be least disturbance to the adjoining allottees and work should be completed within least possible time. The contractor must ensure that there should be no damage to the supporting RCC members.
17. The corrected form CPWD-7/8 is available in office for inspection. The contractors are requested to go through the same. They will be bound by the terms and conditions stated therein.
18. The order of preference in case of any discrepancy as indicated in condition no 8.1 under “Conditions of Contract” given in General conditions of contract for Central P.W.D. works 2014 form may be read as the following:
 - i. Description of item nomenclature in the schedule of quantities.
 - ii. Particular specifications for Repair and Rehabilitation works (if applicable)
 - iii. Particular specifications.
 - iv. Additional and Special conditions.
 - v. Contract Clauses of General conditions of contract for Central P.W.D. works.
 - vi. MORTH specifications for Road & Bridge works with correction slips upto date of receipt of tender.
 - vii. CPWD specifications as mentioned in Schedule ‘F’.
 - viii. Architectural Drawings, if any.
 - ix. Indian Standard Specifications.
 - x. Sound Engineering Practice
19. The words “Equivalent”, “Approval” and authorized” in these specifications shall imply and require written approval of the Advisor Technical.
20. The rates shall include the following:-
 - (a) All necessary materials, bolts, nuts, fasteners, nails, screws, rawl plugs, etc. as may be necessary to complete the work detailed in the specifications, whether or not specifically mentioned. The tenderer should ensure that he has studied the drawings carefully and should seek any clarifications he may have from the Advisor Technical of the work. No extra claims will be entertained later on.

- (b) Cutting, making and repairing of any holes/opening Junction Box for electrical purpose etc. required for any light fittings, loudspeakers, air-conditioning grills etc.
21. The Registrar has got the right to accept or reject the tender as whole or part of it and no claims what so ever will be entertained on this account.
 22. No payment will be made to the contractor for damages caused by rains during execution of the works and no claim on this account will be entertained.
 23. The dismantling wherever required shall be done in a manner so that no other portion of the building or its fixtures are damaged. If any damages are done to the building it will be made good by the contractor at his own cost and no claim what so ever will be entertained on this account.
 24. The rates for all items of work shall (Unless clearly specified) include the cost of all labour, material taxes (i/c GST)and other aspects involved in the execution of work. The rate shall include GST, if any.
 25. The contractor shall make his own arrangement for getting the permission (to ply the trucks) from the traffic police.
 26. The contractors are advised to get acquainted with the proposed work and its site and also study the specifications and conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications and special conditions.
 27. All dismantled materials/ Building rubbish/ Malba and other such material received and collected by the contractor during the course of execution of work will be removed from the site of work immediately as directed by the Engineer-in-Charge.
 28. 1% water charges if water not arranged by contractor, Income tax plus surcharge and Labour Cess as applicable shall be recovered from the gross amount of each Bill.
 29. Tender with contradictory conditions/ Rebate will be rejected straight away.
 30. The materials shall be issued to the contractor for day to day work, according to the numbers of men employed by him. The unused materials should be returned by him at the end of the day work along with the empty containers etc. The empty containers shall be preserved till the completion of the work and the clearance to remove them is given by the Advisor Technical in writing.
 31. All doors window, floors furniture, electrical fittings and other articles shall be cleaned free from dust, splashes and damages; sufficient covering for the day's work shall be shown to the representative of the Advisor Technical before the contractor is allowed to proceed with the work. Splashes and droppings from the white washings, colour washing, distempering, painting etc. on walls, floors, doors, and windows, glass panes down take pipes, furniture's, shall be removed by the contractor at, his own cost and the surface cleaned

simultaneously after the completion of the day's work in individual room or bungalow or premises, where the work is done without waiting for the actual completion of all the other items of work in contract. In case the contractor fails to comply with the requirement of this clause, the Advisor Technical shall have the right to get this work done at the risk and cost of the contractor either departmentally or through another agency. The representative of the Advisor Technical will mention this, in the site order book, before employing the labour at contractor's cost.

32. Full quantity of material purchased from authorized dealers with their cash memos like paint/ distemper/ cement paint/ OBD/ plastic emulsion of the firm indicated in the items or elsewhere shall be deposited with the Consultant Technical concerned before starting execution.
33. The sub-standard work shall be rejected outright and shall not be measured and nothing extra shall be paid for it. The decision of the Advisor Technical shall be final and binding in this regard.
34. In case material consumed is less than the permissible variation then the work beyond theoretical consumption i/c variation shall be treated as substandard and quantity for payment purpose will be restricted to as per material actually consumed.
35. The material such as paints, varnish distempers, water proofing cement paint and primers etc. as required shall be of approved brand and manufactures, and of required shade and confirming (in all respects) to the relevant I.S. specifications.
36. Scrapping shall be got checked from in charge of the work before carrying out finishing work over it.
37. No labour huts shall be allowed inside the campus of above said work. The contractor shall arrange for the stay of labour outside the campus including transport and nothing extra shall be payable on the account.
38. The work if required to be executed in odd hours, the agency shall plan the work to be carried out accordingly. Nothing extra shall be paid on this account.
39. There may be some restrictions on free movement of labourers at site and restriction of working hours and the agency shall consider this fact while quoting the rates and executing the work. Photo passes if any required for worker shall be the responsibility of the contractor.
40. Existing drains, pipes, cables, overheads wires, sewer lines and water lines and similar services encountered in the course of the execution of the work shall be protected against the damage by the contractor at his expenses. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
41. Malba/building rubbish etc. received from work shall be removed to designated site (fixed by Advisor Technical) within the time frame decided by the Advisor

Technical, otherwise a penalty of Rs. 1500/- shall be imposed on the contractor for each default.

42. Before dismantling the structure / item the contractor shall bring the entire material required for particular job at site after getting the sample approved from the Advisor Technical.
43. Before starting the work the contractor shall chalk out a programme in consultation with the Advisor Technical so as to inform the occupants in advance. The contractor shall have to adhere this programme, failing which he shall be held responsible for any inconvenience caused to the occupants. In order to ensure that the work is carried out according to the programme drawn up, the contractor shall ensure adequate supply of the material and employ required labour strength for execution of work. In case contractor fails to arrange / employ adequate labour and stick to the programme, the Advisor Technical may supplement the labour at the risk and cost of the contractor after issue of one day's notice to the contractor through site order book. No claim for idle labour shall be entertained. The contractor shall put his representative daily on site of work. His name & signature shall be attested by the contractor on the record for the department.
44. The contractor shall prepare one sample of all items which should be got approved from the Advisor Technical. Only after acceptance of sample work, contractor will be allowed to commence the work and sample is to be preserved by contractor till the whole work is completed. The quality of work should confirm to the approved samples.
45. The contractor should note that the items of work in any quarter shall be undertaken one at a time, one after the other and to complete at one stretch in reasonable time allotted for the same by Advisor Technical. Any item left over in any quarter will be got done at his risk and cost without any further notice.
46. No T & P shall be issued by the department.
47. Any damage done to the existing structure shall be made good by the contractor at his own risk and cost.
48. The contractor shall be responsible for behavior and conduct of his worker. No worker with doubtful integrity or having a bad record shall be engaged by the contractor.
49. No dismantled material should be thrown out from ground or upper floors of the building. All the dismantled material should be carried out to ground through Chute made of PVC pipe of suitable size & proper clamped only at no extra cost.
50. All the furniture items in the office/quarters shall be shifted safely without any damage to the furniture items, by the contractor before start of work after getting programme from the concerned office staff /officers in charge of the room or allottee of the quarter. After finishing of the work all the furniture items

shall be placed in the position and nothing extra on this account shall be paid.

51. **SPECIAL CONDITIONS AS PER NGT GUIDELINES:** The guidelines regarding preventive measures for Air Pollution from demolition & construction activities issued by Delhi Pollution Control Committee vide no. DPCC/EIA/Res-001 to 172 /NGT-21/2015/225-408 dated 17.04.2015 in compliance of Hon'ble National Green Tribunal directions enclosed herewith are applicable to the contractor. All appropriate protection measures as per NGT & DPCC guidelines shall be taken by the contractor at his own cost. Nothing extra shall be payable to the contractor on this account.

Hon'ble National Green Tribunal in its order dated 04.12.2014 in respect of air pollution from dust resulting from demolition and construction activity inter-alia has directed as follows:

- I. No government, authority, contractor, builders or any person would be permitted to store/dump construction material or debris on metalled road.
- II. Beyond the metalled road the area where such the construction material or debris can be stored shall be physically demarcated by officers of all the concerned Authorities/Corporation ensuring that it would not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured that no accidents occur on account of such permissible storage.
- III. Every builder, contractor or person shall ensure that the construction material is covered by tarpaulin and all other precaution should be taken to ensure that no dust particles are permitted to pollute air quality as a result of such storage. It shall also be ensured that appropriate protection measures are taken by raising wind breakers of appropriate height on all sides of the plot/area using plastic and/or other similar material to ensure that no construction material dust fly outside the plot area and it will be the builder/contractor responsibility to ensure that their activity does not cause any air pollution during course of construction and/ or storage of material or construction activity. This condition shall be strictly adhered to by every builder, contractor, person or authority. In the event of default they shall be liable to be prosecuted under the law in force, as well as for causing environmental pollution and will be liable to pay compensation which would be determined by Tribunal in accordance with law.
- IV. All the trucks or vehicles of any kind which are used for construction purposes/ are carrying construction material like cement, sand and other allied material should be fully covered. The vehicles should be properly cleaned should be dust free and every necessary precautions is to be taken to ensure that enroute their destination, the dust, sand or any other particles are not permitted to be released in air/contaminate air. Any truck not complying with the above directions would not be permitted to enter NCR, Delhi.

Hon'ble National Green Tribunal in order Dated 10.04.2015 inter-alia has directed as follows:

1. Every builder or owner shall put tarpaulin on scaffolding around the area of construction and the building. No person including builder, owner can be permitted to store any construction material particularly sand on any part of the street, roads in any colony.
2. The construction material of any kind that is stored in the site will be fully covered in all respects so that it does not disperse in the Air in any form.
3. All the construction material and debris shall be carried in the trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get dispersed into the air or atmosphere, in any form

whatsoever.

4. The dust emissions from the constructions site should be completely controlled and all precautions taken in that behalf.
5. The vehicles carrying construction material and construction debris of any kind should be cleaned before it is permitted to ply on the road after unloading of such material.
6. Every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris shall be provided with mask to prevent inhalation of dust particles.
7. Every owner and or builder shall be under obligation to provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relating to dust emissions.
8. It shall be the responsibility of every builder to transport construction material and debris waste to construction site, dumping site or any other place in accordance with rules and terms of this order.
9. All to take appropriate measures and to ensure that the terms and conditions of the earlier order and these orders should strictly comply with by fixing sprinklers, creations of green air barriers.
10. Compulsory use of wet jet in grinding and stone cutting.
11. Wind breaking wall around construction site.
12. All the builders who are building commercial, residential complexes which are covered under the EIA Notification 2006 shall provide green belt around the building that they construct. All authorities shall ensure that such green belts are in existence prior to issuance of occupancy certificate.
13. All builders shall ensure that C&D waste is transported in terms of this order to the C&D waste site only and due record in that behalf shall be maintained by the builders, transporters and NCR of Delhi.
14. Even if constructions have been started after seeking environmental clearance under EIA notification 2006 and after taking other travel but is being carried out without taking the preventive and protective environmental steps as stated in this order and MoEF guidelines 2010, the State Government, SPCB and any officer of any department as aforesaid shall be entitled to direct stoppage of work.

Environmental Impact Assessment Guidance Manual for Building, Construction, Township and area development Projects of February, 2010 is available on the website of MoEF & CC envisaging the following guidelines for mitigation measures in respect of dust control from Building, Construction Projects:

“Adopting techniques like, air extraction equipment, and covering scaffolding, hosing down road surfaces and cleaning of vehicles can reduce dust and vapour emissions. Measures include appropriate containment around bulk storage tanks and materials stores to prevent spillages entering water courses.

The others measures to reduce the air pollution on site are:-

- Sprinkling of water and fine spray from nozzles to suppress the dust.
- On-Road-Inspection should be done for black smoke generating machinery.
- Promotion of use of cleaner fuel should be done.
- All DG sets should comply emission norms notified by MoEF.
- Vehicles having pollution under control certificate may be allowed to ply.
- use of covering sheet to prevent dust dispersion at buildings and infrastructure sites, which are being constructed.
- Use of covering sheets should be done for trucks to prevent dust dispersion from the trucks, implemented by district offices.
- Paving is a more permanent solution to dust control, suitable for longer duration projects. High cost is the major drawback to paving.

- Reducing the speed of a vehicle to 20kmph can reduce emissions by a large extent.

Speed bumps are commonly used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, it may be necessary to divert traffic to nearby paved areas.

Material storages/ warehouses- Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust/particulate emissions. Fabrics and plastics for covering piles of soils and debris is an effective means to reduce fugitive dust.”

By way of these orders/notice you are hereby notified for mandatory strictly adherence to and compliance of the directions contained in the order of Hon’ble Tribunal as well as MoEF guidelines, 2010 in relation to precautions required to be taken while carrying on construction activities.

Copy of NGT orders dated 04.12.2014, 10.04.2015 copy of MoEF guidelines 2010 and copy of notice issued are available at the DPCC website also i.e. “<http://dpcc.delhigovt.nic.in>.”

Please note that the non-compliance of Hon’ble NGT order will make you liable for action as per law including the directions for stoppage of work.

PARTICULAR SPECIFICATIONS & CONDITIONS FOR CIVIL WORKS

1. General.

Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all lifts & all heights, floors including terrace, leads and depths and nothing extra shall be payable on this account. **Centering, shuttering, however if required to be done for RCC beams, RCC floor slabs and landings only for centering heights greater than 3.5m, shall be measured and paid for separately.**

Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to bylaws and municipal body/corporation where CPWD Specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/ Corporation authorities wherever required at his own cost.

The contractor shall give performance test of the entire installation(s) as per the standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test,

The work shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time, by the Advisor Technical. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available there from is complete and unambiguous. The discrepancy, if any, shall be brought to the notice of the Advisor Technical before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information.

Other agencies will also simultaneously execute and install the works of internal electrical installations, sub-station / generating sets, air-conditioning, lifts, etc. for the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings trenches etc. as may be required for such related works (for which inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at the time of casting of concrete, stone work and brick work, if required, and nothing extra shall be payable on this account.

Unless otherwise specified, the brand/make of the material as specified in the item nomenclature, in the particular specifications and in the list of approved materials attached in the tender, shall be used in the work. In case of non- availability of the brand specified in the contract the Contractor shall be allowed to use alternate equivalent brand of the material subject to submission of documentary evidence of non-availability of the specified brand. The necessary cost adjustments (if alternative brand is not equivalent) on account of above change shall be made for the material.

Sampling and Testing

All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Advisor Technical, which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Advisor Technical. Wherever brand / quality of material is not specified in the

item of work, the contractor shall submit the samples as per suggestive list of brand names given in the tender document / particular specifications for approval of Advisor Technical. For all other items, materials and fittings carrying ISI Mark shall be used with the approval of Advisor Technical. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Advisor Technical. To avoid delay, contractor should submit samples as stated above, well in advance so as to give timely orders for procurement. If any material, even though approved by Advisor Technical is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set-out tolerance limit shall be summarily rejected by the Advisor Technical & contractor shall be bound to replace / remove such sub-standard / defective work immediately.

BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and / or the work done.

The cost of samples including packing, sealing, transportation and other incidental charges shall be borne by the contractor. In case the tests are conducted at a approved laboratory other than the site laboratory of the contractor, the cost of tests shall be borne by the contractor.

In all cases, cost of samples and to and fro carriage shall be borne by the contractor.

The contractor has to establish field laboratory and skilled manpower for the following tests at his own cost.

- Particle size and shape.
- Ten percent fine value
- Aggregate impact test
- Surface moisture test
- Slump test
- Flakiness and elongation index tests.
- Compressive strength (concrete or bricks) test
- Rebound hammer test
- Bulking of sand
- Silt content of sand
- Thermometer with brass protected end (0-1000 C)

Equipment like excavators/Transit mixer etc. shall be allowed to be moved away from the site when, in written opinion of Advisor Technical, the same are no longer required at site of work.

All the equipment shall be brought, installed and commissioned at site of work at least one week before their actual planned use at site.

All the item of works related to foundation and plinth includes the work of basements also.

To avoid disputes later on, contractor is advised to get the measurement recorded within a week's time and shall submit his bills as per relevant clause of the contract.

Any dispute regarding measurement including work done shall be judged within a week's time failing which measurement, certified and recorded shall be entertained.

The work of addition and alterations covered under this contract shall be carried out in piece meal/in parts, and the contractor shall execute the work in the area made available to him and the contractor shall not claim anything extra over agreement rates, due to execution of works in piece meal manner.

The contractor at his own cost shall take all necessary measures for the safety of traffic and workers during execution and provide, erect, and maintain barricades including required marshals, signs, markings, lights etc. necessary all around the site and offices. The manner and the position of boundary where barricading is to be provided shall be decided by the Advisor Technical whose decision shall be final and binding. The failure to provide barricades at site in the opinion of Advisor Technical shall make contractor liable for penal action as decided by Advisor Technical. The barricading shall be removed from the site only after approval of Advisor Technical.

Keeping in view exigency, the work shall be carried out in more than one shift i/c Sunday & holiday and nothing extra shall be paid on this account.

2. CONDITIONS FOR CEMENT

The contractor shall procure 43 Grade Fly ash based Portland Pozzolana Cement (PPC) as per IS: 1489 as required in the work, from reputed manufacturers of cement, having a production capacity of one million tonnes per annum or more, such as ACC, L&T, Ambuja, Birla, Vikram, J.K. J.P Rewa, Ultratech, and Cement Corporation of India etc., i.e. agencies approved by Ministry of Industry, Govt. of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufactures which they propose to use in the work. The Advisor Technical reserves right to accept or reject name(s) of cement manufacture(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the Advisor Technical does not accept the list of cement manufacturers, given by the tenderer, fully or partially. Supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Advisor Technical and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Advisor Technical to do so. Only the cement with satisfactory test results shall be allowed to be used in the work.

The cement shall be brought at site in bulk supply of **10 tonnes** or as decided by the Advisor Technical.

The cement godown of the capacity to store a minimum of 1000 bags of cement or as directed by Advisor Technical shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The key of one lock shall remain with the Advisor Technical or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Advisor Technical at any time.

The contractor shall supply free of charge the cement required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The testing charges of approved laboratory shall be borne by the contractor/department in the manner indicated below:

- i. By the contractor, if the results show that the cement does not conform to relevant BIS Codes.
- ii. By the department, if the results show that the cement conforms to relevant BIS

Codes.

The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by the conditions laid therein. In case, the consumption is less than theoretical consumption including permissible variations, recovery at the rate so prescribed shall be made. The decision of the Advisor Technical in regard to theoretical quantity of cement which should have been actually used as per the schedule shall be final and binding on the contractor. This recovery will be in addition to any other recovery otherwise required to be done by the Advisor Technical. In case of excess consumption no adjustment shall be made.

In the event of it being discovered that after the completion of the work the quantity of cement used is less than the quantity ascertained after allowing variation on the minus side as per clause 42, the cost of quantity of cement not so used shall be recovered from the contractor, at the rate mentioned in Schedule "F"

Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Advisor Technical.

The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Advisor Technical. If he does not do so within three days of receipt of such notice, the Advisor Technical shall get it removed at the cost of the contractor.

The contractor shall produce original vouchers for the total quantity of cement supplied under each consignment and manufacturer's Test Certificate if required by the Advisor Technical.

3 CONDITION FOR REINFORCEMENT STEEL

The contractor shall procure steel reinforcement TMT bars of grade Fe500-D grade from primary producers such as SAIL, TISCON, RINL, Jindal Steel & Power Ltd and JSW Steel Ltd or any other producer as approved by Ministry of steel. The TMT bars procured from the primary producers shall conform to manufacturer's specifications/ BIS specifications.

The contractor shall procure steel reinforcement TMT bars of grade Fe500-D grade from primary producers such as SAIL, TISCON, RINL, Jindal Steel & Power Ltd and JSW Steel Ltd or any other producer as approved by Ministry of steel. The TMT bars procured from the primary producers shall conform to manufacturer's specifications/ BIS specifications.

The specifications of TMT bars procured from primary producers shall meet the provisions of IS 1786: 2008 pertaining to Fe 500D grade of steel as specified in the tender.

The contractor shall produce original vouchers for the total quantity of steel supplied under each consignment and manufacturer's Test Certificate if required by the Advisor Technical.

Samples shall also be taken and got tested by the Engineer -in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time of written orders from the Engineer-in-Charge to do so. Else the department shall remove it and recover double the cost of removal from the contractor.

The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or

more, or as decided by the Advisor Technical.

The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

For physical and chemical tests, specimens of sufficient length shall be cut from each size of the bar at random and at frequency not less than that specified below:

Size of Bar	For Consignment below 100 tonnes	For consignments above 100 tonnes
Under 10mm dia bars	One sample (Three specimen) for each 25 tonnes or part	One sample for each 40 tonnes or part thereof
10 mm to 16mm dia bars	One sample (Three specimen) for each 35 tonnes or part	One sample for each 45 tonnes or part thereof
Over 16 mm dia bars	One sample (Three specimen) for each 45 tonnes or part	One sample for each 50 tonnes or part thereof

The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.

The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by the conditions laid therein. In case, the consumption is less than theoretical consumption including permissible variations, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment shall be made.

The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Advisor Technical.

For the purpose of payment, the actual weight of steel reinforcement / structural steel sections/ plates / bolts and nuts shall be measured as below:

- a) Unit weight for reinforcement bars: The actual weight per meter of the reinforcement of various diameters shall be measured for three random samples collected (for each diameter of steel reinforcement) from each lot of particular diameter of steel reinforcement brought to the site for use in the work. For this, each sample (one sample consisting of three specimens) for each diameter of steel reinforcement shall be cut to require lengths and weighed and average weight calculated and recorded. The average weight for each type of steel section and steel reinforcement of each diameter shall be taken as the actual weight per metre for that steel section and that diameter of steel reinforcement.
- b) In case actual unit weight is less than standard unit weights mentioned in CPWD specifications 2009 Volume 1, but within variation, in such cases payment shall be made on the basis of actual unit weight. However, if actual unit weight is more than standard unit weights mentioned in CPWD specifications 2009 Volume 1, then payment shall be made on the basis of standard unit weight in such cases. In such case nothing extra shall be paid for difference in actual weight and standard weight.

The work shall be carried out as per the relevant CPWD specifications.

**The Registrar,
National Law University, Delhi**

SPECIFICATION AND SPECIAL CONDITIONS FOR A/R & M/O WORKS & UPGRADATION WORKS

1. The Corrected form CPWD 7 is available with the office of the Advisor Consultant (Technical) for inspection. The contractor is requested to go through the same. They will be bound the terms and conditions stated therein.
2. The contractor is advised to get acquainted with the proposed works & its site and also study the specifications and special conditions carefully before bidding. No claim of any sort shall be entertained on account of any site conditions & ignorance of specifications and special conditions.
3. The works shall be carried out as per CPWD specifications 2009 Vol. I & II with up to date corrections slips unless otherwise specified in the nomenclature of the individual items or in the specifications attached. At the points where specifications are silent, the instructions of the Advisor Technical shall be final.
4. In the event of any discrepancy between the nomenclature of the item of work as per schedule of quantities and the attached specification 2009 Vol. I & II, the nomenclature will prevail.
5. In the event of any discrepancy between the CPWD specifications 2009 Vol. I & II and special conditions attached, the special conditions shall prevail.
6. Unless otherwise provided in the schedule of quantities the rates bidded by the contractor shall be inclusive of all leads and lifts and shall apply to the heights and depths of the building and nothing extra shall be payable on him on this account.
7. The rates for all items of work, shall unless clearly specified otherwise, include the cost of all labour, materials and other inputs involved in the execution of the items of work.
8. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e. royalty, carriage, sales tax and stacking at required place etc.
9. 1% water charges if water not arranged by contractor, Income tax plus surcharge and labour cess as applicable shall be recovered from the gross amount of each bill.
10. All materials obtained from Govt. stores or otherwise shall be got checked by the Junior Advisor Technical of the work on receipt of the same at site of work before use.
11. The contractor has to make his own arrangement for all T & P like ladders, ghoree, sutli, empty containers, brushes and paper, kuchies etc. required for work and nothing extra shall be paid for the same.
12. The contractor shall get approved the brands/shades of dry distemper, oil bound distemper, synthetic enamel paint, plastic emulsion pain etc. from the Advisor Technical before supply of the materials.
13. Materials shall be brought to the site of work in original containers with the manufactures seal intact.
14. The materials required for day's work shall be issued to the contractor or his authorized representative daily by the Junior Advisor Technical of the work any balance of the material left at end of the days of work and empty containers shall be returned to the Consultant Technical. The day to day issue account of the materials shall be maintained by the Consultant Technical and shall be signed daily by the contractor or his authorized agent in token of receipt of the materials failing which no payment of bill shall be made to the contractor. The empty containers shall not be removed from the site of work, without written orders of the Advisor Technical.
15. Before the commencement of work, the contractor shall prepare one sample as instructed by the Consultant Technical for approval of the Advisor Technical. After the sample is approved by the Advisor Technical, the contractor shall be allowed to commence of the work and quality of work shall confirm to the approved sample.

16. Before the commencement of work, the contractor shall draw up programme in consultation with the Advisor Technical for the execution of work so as to inform the occupants of the office flat/quarter at least one week in advance regarding the execution of the work.
17. In case the office, rooms/quarters/flats are not made available to the contractor according to the programme, the contractor shall not be entitled for any claim for idle labour or any other claim on any account what-so-ever.
18. Defective work/substandard work or work not done according to the specifications of the contract shall be liable for summary rejection & shall not be measured and paid for. This shall be without prejudice to taking any other action the contractor in accordance with the terms & conditions of contract.

The contractor shall depute his representative daily to the site of work. The name and signature of his representative attested by the contractor shall be intimated Engineer-in-charge.
19. The entire work shall be carried out in close co-operation with all other agencies working in the building. The contractor(s) shall not be entitled to any compensation on account of temporary stoppage of work due to other constructions.
20. No payment will be made to the contractor for damage caused by rains during the execution of the work and no claim on his account will be entertained.
21. It will be responsibility of the contractor for damage caused by rains during the execution of the work and no claim on his account will be entertained.
22. Scrapping shall be shown to the Assistant Engineer and got approved and test checked by him prior to distempering.
23. Deviation in quantities shall be done only with prior written permission of the Advisor Technical. Deviation in quantities done on the order of other than the Advisor Technical shall not be measure and paid for.
24. To avoid disputes later on, contractor in advised to get the measurement recorded within a week's time and shall submit his bills as per relevant clause (6A) of contract. Any dispute regarding measurement including work done shall be judged within a week's time failing which measurement, certified and recorded, shall be entertained.
25. Contractor has to bring to site of work the entire quantity of lime of approved quality before the start of the work. The mixing of lime will be done in the presence of the Consultant Technical.
26. Any damage to the building, furniture, fittings of any other articles etc. done by the contractor or his workmen during the execution of work, shall be made good by the contractor, failing which the same shall be made good by the Advisor Technical or his authorized representative at the risk and cost of the contractor.
27. All doors, windows, floors, furniture, electrical fittings and other articles shall be protected from dust, splashes & damaged sufficient covering for the day's work shall be shown to the representative of the Advisor Technical before the contractor is allowed to proceed with the work, splashes & droppings from white washing, colour washing, distempering painting etc. on walls, floors, doors and window, down take pipes, furniture shall be removed by the contractor at his own cost and surface cleaned simultaneously after the completion of the day's work is done, without waiting for the actual completion of the other items of work of the contract. In case the contractor fails to comply with this requirement the Advisor Technical or his authorized representative shall be the right to get this work done at the risk and cost of the contractor either departmentally or through another agency without issue of any notice to the contractor, departmentally or through another agency without issue of any notice to the contractor, on his account. The representative of the Advisor Technical will however, mention about it in the site order Book employing the labour on the job at the contractor's cost.
28. The contractor should be written their correct postal address on the application for bid

papers. In case it is found that the address given in their application is not correct and as a consequence of the same if any registered letter sent through postal authorities is received back by the department undelivered to the contractor, the contractor shall be fully responsible for all the consequences and by such letter through registered post shall be deemed to have been delivered to him.

29. Full quantity of material such as paint plastic emulsion paint, oil bound distemper etc. shall be deposited in sealed container in advance and get it checked by Consultant Technical before use.
30. Shifting of furniture such as so far table, chairs, glass etc. and make necessary arrangements to protect the furniture, carpets, floors from any spidge during the execution of work. Any damage if done, shall be made good by the contractor at his own cost nothing shall be paid extra in this regard.
31. The work of addition and alterations covered under the contract shall be carried the individual quarters. The bungalows may be made available to the contractor execution work in piece meal/, in parts, and the contractor shall execute the work in these quarters made available to him and the contractor shall not claim anything extra over agreement rates, due to execution of works in piece meal manner.
32. No labour huts shall be allowed inside the campus of above said work. The contractors shall arrange for the stay of labours outside the campus including transport and nothing extra shall be payable on this account.
33. Residential quarters under upgradation shall be handed over to contractor in phased manner as required. However contractor shall make arrangement for upgradation work for atleast 4(four) bungalows/quarters at-a-time depending upon the urgency of the work.
34. Whether occupied or vacant up gradation work will be carried out in serial order in each colony with the consent of the concerned allottees.

ADDITIONAL CONDITION FOR A/R & M/O WORKS

1. Sub standard work shall be rejected out rightly and nothing shall be paid on this account.
2. Day to day program shall be taken from the Junior Advisor Technical of the work and contractor shall have to execute the work accordingly and no claim whatsoever shall be entertained due to any unforeseen change of programme.
3. The doors, windows floors and furniture if any shall be protected by suitable covering etc at the time of execution of work.
4. All precautions will have to be taken to prevent damage to the structure during the execution. Any such damage if occurs shall be made good free of cost.
5. The rates include all leads and lifts i.e. on all the floors. No claim on this account will be entertained.
6. Before the start of work the sample of the items to be executed shall be got approved from the Advisor Technical and the same shall be strictly followed everywhere.
7. For any change of shade if strainer is required to be used the contractor shall make his own arrangement for strainer of approved manufacture at his own cost.
8. Wherever two or more coats of work on old work is mentioned it will mean doing the work wherever scrapping has been done.
9. No. T&P shall be issued by the Department.
10. Contractor should see the site and conditions of existing splashes, paint works etc and quote rates accordingly.
11. Measurements for work done shall only be recorded after full removal of splashes of the white wash / distemper / paint / water proofing cement paints etc. In case of non-removal of the splashes the cost of their removal shall be recovered from the contractor at the direction of Advisor Technical.
12. The contractor shall have to produce original voucher to check the genuineness of material, such as paint, distemper, water proofing cement paint and primer etc.
13. The contractor and/ or his authorized representative should inspect the site order book every day and got the compliance noted by the JE/ AE Advisor Technical.
14. All the materials shall be got approved from the Advisor Technical before, it is put to use. Before the start of work 50% of the total requirement for material will have to be deposited with the concerned AE/ JE in first instance. Who shall also maintain an a/c of these materials and submit them with the bills for checking.
15. The contractor shall be issued materials for day to day work, according to the numbers of men deployed by him. The unused materials should be returned by him at the end of the days work along with the empty containers etc. The empty containers shall be preserved till the completion of the work and the clearance to remove them in given by the Engineer-in-charge in writing.
16. All nails holes etc shall be repaired with lime plaster or with glazer putty as required without any extra payments.
17. All doors, windows, floors, furniture, electrical fittings and other articles shall be cleaned free from dust, splashes and damages; sufficient covering for the days work shall be shown to the representative of the Advisor Technical before the contractor is allowed to proceed with the work. Splashes and dropping of white wash from, glass panes down take pipes, furniture, shall be removed by the contractor at his own cost and the surface cleaned simultaneously after the completion of the days work in individual room or bungalow or premises where the work is done without waiting for the actual completion of all the other items of work in contract.

18. Full quantity of material purchased from authorized dealers with their cash memos like paint/ distemper/ cement paint/ OBD/ plastic emulsion of the firm indicated in the items or elsewhere shall be deposited with the JE concerned before starting execution.
19. The Sub standard work shall be rejected outright and shall not be measured and nothing extra shall be paid for it. The decision of the Advisor Technical shall be final and binding in this regard.
20. In case material consumed is less then the permissible variation then the work beyond theoretical consumption including variation shall be treated as sub standard and quality for payment purpose will be restricted to as per material actually consumed.
21. The material such as paints, varnish distempers, water proofing cement paint and primers etc as required shall be of approved brand and manufactures and of required shade and confirming to IS specifications, such material of either of the following companies shall only be brought to the site of work.
- | | |
|---|---|
| (a) Acrylic Exterior paint | (i) Berger paint-Weather Coat
(ii) Asian paints-Apex duracast |
| (b) Premium Acrylic Smooth Exterior Paint | Asian Paints (Apex Ultima),
Berger (Weather Coat all guard),
I.C.I. Dulux (Weather shield max) |
| (c) Synthetic enamel paint | Luxol-Hi gloss of berger paints,
Apolite lusture finish of Asian
paints, Nerolac brand of Goodlass
Nerolac paints, Dulux gloss of
ICI. |
| (d) Plastic emulsion paint | Luxol silk brand of berger paints,
Allscape of kansai Nerolac paint,
Royal of Asian Paint make,
Velvet touch of ICI. |
| (e) Acrylic distemper confirming IS – 427
latest edition | Bison Acrylic distemper of
berger, Acrylic washable Tractor
brand of Asian paints, Maxilite of
ICI paints. |
| (f) Water proof cement paints | (i) Super snowcem decorative of
snowcem India Ltd., Gattucem of
Asian Paints, Farcocem of ICI
paint. |
| (g) Cement primer | B.P. (alkali resistant) water thinable
of berger paint make, Primolite water
thinable Goodlass Nerolac paint
make, Cement primer of Asian paint
make. |
| (h) Cemprover primer | Snowcem paint or equivalent. |
23. Scrapping shall be shown to the Consultant Technical and got approved prior written permission of Advisor Technical.

- 24 The contractor shall have to improve all splashes after completing the day work. In case the splashes are not removed by the contractor the same shall be got removed by the Advisor Technical and necessary recovery for the cost of removal of splashes shall be made from the contractor as below: -
- a. For splashes of internal white wash/ distemper etc. Rs. 300/- per bungalow/ flat.
 - b. For splashes of paint marks – Rs. 500/- per bungalow/ flat.
 - c. For splashes of external white wash/ colour wash/ water proofing cement paint- Rs. 300/- bungalow/ flat.
- 25 The co-efficient for working out theoretical consumption are as below: -
- a Acrylic washable distemper.
 - (i) One or more coats on old work 1 kg per 10 sqm.
 - (ii) Two or more coats on new work 1.50 kg per sqm.
 - b Cement primer 0.70 ltr per 10 sqm.
 - c Water proofing cement paint.
 - (i) One or more coats on old work 2.2 kg per 10 sqm.
 - (ii) Two or more coats on new work & 3.84 kg per 10 sqm. d
 - d Plastic emulsion paint.
 - (i) One or more coats on old work & 0.73 ltr per 10 sqm.
 - (ii) Two or more coats on new work & 1.21 ltr per 10 sqm. e
 - e Synthetic enamel paint
 - (i) One or more coats on old work 0.70 ltr per 10 sqm
 - (ii) Two or more coats on new work & 1.16 ltr per 10 sqm f
 - f White washing with lime.
 - (i) One or more coats on old work 0.01 qtl per 10 sqm
 - (ii) Two or more coats on new work & 0.02 qtl per 10 sqm
 - (iii) Three or more coats on old work 0.01 qtl per 10 sqm.

**The Registrar
National Law University, Delhi**

List of Approved Material
(Subject to satisfying the parameters specified in CPWD specification and ISI Code)

Material	Brand/ Manufacturer
Flush Doors	Century, Kit Ply, Merino, Duro, Archid
Particle Board/ Block Board	Century, Duro, Kitply, Green
Aluminium Fittings	Nu-lite, Everite, Sargent
Glass Panes	Modi, Saint Gobain, Asahi, Pilkington
Glazed/ Ceramic Tiles	Kajaria, Somany, Johnson, Nitco, Orient
Paints & Distemper	Dulux, Berger, Asian Paints, Nerolac, Acro
Cement primer	Dulux, Berger, Asian Paints, Nerolac, Acro
Precast Terrazo Tiles	Modern, Nitco, NTC, Hindustan
Viterous China Wares	HindWare, Parryware, Cera
Plastic W.C. Sheet Cover	Commander, Jindal, Parryware
Stainless Steel Sink	Neel Kanth, Jayana, Nirali, Allex
C.P. Brass Fittings	Prima/Kingstone/Jaquar/Marc/Gem
S.C.I./C.I. Pipes, Fittings	NECO, SKF, HIF
G.I. Pipes	Jindal, Prakash, Tata
PVC Tanks	Sintex, SPL, Rotax
G.I. Fittings	Unik, KM
Brass Stop/ Bib Cock	Link, Leader, Prima
Ball Valve & Plates	Link, Leader, Prima
White Cement	Birla, J.K.
Gun Metal Valve	Sant, Leader, Zoloto
S.W. Pipes & G.T.	Anand, Perfect.
S.F.R.C. Covers	KK Manhole, Pragati Concrete, NITCO
Aluminium Section	Hindalco, Jindal,
PVC Low Level Cistern	Parryware, Hindware, Seabird
C.I. Manhole Cover & Frame	RIF, NICO, B.C.
Factory Made Precast Kerb Stone/ Paver Block	KK Manhole, Nitco, Unistone
Water Proofing Compound	CICO, Fosroc, Pidilite
Bevelled Edge Mirror	Modi Guard, Atul
APP Water Proofing Treatment	Apex, Texa, Pidilite, Dermabit, Torch Tar
Ready Mix Concrete	Lafarge, ACC, L&T, Ultratech

Laminated Wooden Flooring	Pergo, Virgin, Vista, Armstrong
Fasteners	Hilti, Fischer
Drapery Rods & Vertical Blinds	Mac, Vista
Chequered tiles	Nitco, Modern, Unistone
Fibre Glass Sheet	Simba/ Fibreways/Shivshakti
Tile Adhesive	Somany, Latticrete, Pidilite, Cico, Bal Endina
Precast Cement Concrete slabs	K.K., Nitco, Unistone
Vitrified tiles	Somany, Kajaria, Rak
G.I. Sheet	Sail, Tata & Jindal
Stainless Steel Railing	Jindal, Arch, Dorma
Precoated Metal Sheets	Meta Colour sheet Pvt. Ltd., Kirby, Tata Blue Scope
Structural Extruded Sections Tee Iron, Angle Iron, Flats etc.	Sail, Tisco, Rana, Capital with ISI markings
Steel work with hot finished welded type tubes for tubular trusses	BST, Jindal, ITC
Exterior wall Putty	Birla Wall Putty, JK Wall Putty, Acro
FRP Door Shutters/ FRP Frame/ FRP Chajjas	Ashu /Fiberways technology/ Fiber Techno Products/ Shivshakti Fiber Udyog /Simba FRP Pvt. Ltd.
Polycarbonate Sheet Admixture	Ploygal, G.E./Tufflite, Europack, Cico, Forsroc, Pidilite
PPR pipes & fittings	Prince, fusion, Amitex, Victors
RCC Pipe	Jain, Spun, Partibha, Laxmi

1. All items shall be of ISI Mark as per approved sample kept at site of work.
2. The contractor shall provide the materials as per the make or brand indicated above.
When two or more alternative/ brands has been mentioned, the brand selected by the Advisor Technical shall be final & binding. The manufacturer certificate is also to be provided if required by the Advisor Technical.

Schedule of Quantity

Name of Work : Annual repair and maintenance of Academic Block during 2018-19 (SH: White Wash and Painting of Classrooms)

S. No.	Description of Item	Qty.	Unit	Rate	Amount
1	Wall Painting with plastic emulsion paint of approved brand and manufacture to give an even shade.	2000	Sqm	55.25	110500/-
2	French spirit polishing	50.00	Sqm	105.85	52925
Total Amount					163425/-

