

NATIONAL INSURANCE ACADEMY

Balewadi, Baner Road, NIA P.O., Pune - 411 045, Maharashtra
Website: www.niapune.org.in | e-Tender Portal: www.tenderwizard.com/NIA

E-TENDER DOCUMENT (LUMP-SUM EPC BASIS)

NAME OF WORK:

ENGINEERING, PROCUREMENT, AND CONSTRUCTION (EPC) CONTRACT FOR DESIGN, SUPPLY, INSTALLATION, TESTING, AND COMMISSIONING OF HYDROPNEUMATICS BOOSTER WATER DISTRIBUTION SYSTEM FROM NEW 2-INCH PMC CONNECTION ALONG WITH INDIVIDUAL 500-LITER OVERHEAD WATER TANKS AND SUB-METERS FOR 63 STAFF QUARTERS, CAMPUS CLINIC, AND MEDITATION HALL AT NATIONAL INSURANCE ACADEMY (NIA) CAMPUS, PUNE

EXECUTIVE TENDER SUMMARY

Tender Notice No.: NIA/EST/WSS/EPC/2026/01

Nature of Outlay: Capital Expenditure (CAPEX)

Contract Basis: Single Fixed Lump-Sum Price (BOQ is only indicative for general guidance)

Staged Payment Terms: 40% on delivery of all materials at site; 60% on complete installation, testing, and commissioning

Estimated Budgetary Cost: Rs. 25,80,000/- (Inclusive of 18% GST) [Market Discovery Dependent]

Earnest Money Deposit (EMD): Rs. 52,000/- | Tender Fee: Rs. 1,000/- + 18% GST

Project Completion Period: 10 Weeks (Inclusive of MEP Design & Institutional Vetting)

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Structure of EPC Tender Document (3 Parts / 14 Comprehensive Sections)

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BID PART	SECTION / VOLUME	DESCRIPTION	SCOPE / COVERAGE
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BID - II	Section 14	Financial Bid & Indicative BOQ	Single Lump-sum offer template (40/60 stage payments) & reference BOQ

BID - I: PART 1

PRE-QUALIFICATION BID, NIT & INSTRUCTIONS TO BIDDERS

SECTION 1: NOTICE INVITING e-TENDER (NIT)

National Insurance Academy (NIA), Pune invites Online Open e-Tenders on a Lump-Sum Engineering, Procurement, and Construction (EPC Turnkey) basis from reputed, eligible, and experienced engineering contractors for the SITC of Hydropneumatics Booster Water Distribution Pipeline Network, Individual 500 L Overhead Storage Tanks, and Digital Sub-Water Meters for 63 Staff Quarters, Campus Clinic, and Meditation Hall at the NIA Campus in Balewadi, Baner Road, Pune - 411 045.

Parameter	Particulars / Contract Stipulations
Tender Document No.	NIA/EST/WSS/EPC/2026/01
Name of Work	EPC Turnkey Work for Water Distribution Pipeline Network, Hydropneumatics Booster System, 500 L Overhead Storage Tanks, and Sub-Metering for 65 Points at NIA Campus, Pune
Nature of Expenditure	Capital Expenditure (CAPEX) - Permanent Institutional Asset
Mode of Contracting	Single Fixed Lump-Sum Turnkey Contract. Bidders must quote one firm Lump-Sum amount for the entire scope of work. The provided BOQ is strictly for general information and guidance.
Staged Payment Schedule	40% of the accepted contract amount upon delivery of all equipment, piping, tanks, and materials on site; 60% upon complete installation, testing, commissioning, and virtual handover.
Estimated Budgetary Value	Rs. 25,80,000/- (Rupees Twenty-Five Lakh Eighty Thousand only, inclusive of 18% GST). Price is budgetary; actual committed cost will be determined through market discovery via open tender and may vary above or below.
Earnest Money Deposit (EMD)	Rs. 52,000/- (Rupees Fifty-Two Thousand only) payable via e-Payment Gateway / RTGS / NEFT / DD in favor of 'National Insurance Academy, Pune'
Tender Processing Fee	Rs. 1,000/- + 18% GST (Non-refundable) payable online
Period of Completion	10 (Ten) Weeks from the date of Letter of Award (LOA) / Handover of Site (Inclusive of topographical survey, MEP design, and Government College vetting)

Parameter	Particulars / Contract Stipulations
Defect Liability Period (DLP)	12 (Twelve) Calendar Months from the certified date of virtual commissioning
Performance Security (PBG)	5% of total awarded contract value submitted within 21 days of LOA
Bidding Mode	Two-Cover Electronic System (Cover 1: PQ/Technical Bid; Cover 2: Financial Lump-Sum Bid)
e-Tendering Portal	www.tenderwizard.com/NIA

1.1 Key Schedule of Dates (Tendering Milestones)

Milestone Event	Date	Time (IST)
Tender Document Release / Download Start	22.09.2026	11:00 Hours
Last Date for Seeking Clarifications (via Email)	28.09.2026	17:00 Hours
Pre-Bid Meeting / Issue of Corrigendum	29.09.2026	15:00 Hours
Online Bid Submission Closing Date & Time	05.10.2026	23:59 Hours
Opening of Technical / Pre-Qualification Bids (Cover 1)	06.10.2026	15:30 Hours
Opening of Commercial / Financial Bids (Cover 2)	To be notified online to pre-qualified bidders	E-Portal

SECTION 2: MINIMUM ELIGIBILITY & PRE-QUALIFICATION CRITERIA (PQC)

Bidders must meet all of the following technical, financial, and statutory criteria to qualify for commercial bid opening. Joint ventures (JV) and consortia are not permitted.

2.1 Technical Work Experience

The bidder must have successfully executed similar water supply, plumbing, or hydropneumatics pipeline turnkey works during the last 7 (seven) financial years ending March 31, 2026:

- **Option A:** One similar completed work costing not less than Rs. 20.64 Lakhs (80% of estimated value),
OR

- **Option B:** Two similar completed works each costing not less than Rs. 12.90 Lakhs (50% of estimated value), OR
- **Option C:** Three similar completed works each costing not less than Rs. 10.32 Lakhs (40% of estimated value).

Definition of Similar Work: 'Similar Work' shall mean the design, supply, installation, testing, and commissioning of external/internal water distribution pipeline networks, booster or hydropneumatics pumping systems, and overhead storage tank installations under a single agreement.

2.2 Financial Standing

- **Annual Turnover:** The average annual turnover of the bidder on construction and engineering MEP works over the last 3 financial years (FY 2023-24, 2024-25, 2025-26) must not be less than Rs. 30.00 Lakhs, certified by a Chartered Accountant with valid UDIN.
- **Profitability:** The bidder must not have incurred losses in more than one year during the last three financial years.

2.3 Statutory & Disqualification Criteria

- **Statutory Credentials:** Valid GST Registration in Maharashtra, Permanent Account Number (PAN).
- **Integrity Clause:** Even if a bidder meets PQC, they shall be disqualified if they have a history of abandoning works, consistent litigation resulting in adverse arbitration awards, or debarment/blacklisting by any Government or Public Sector body.

SECTION 3: INSTRUCTIONS TO BIDDERS & ELECTRONIC TENDERING

Tenders are invited in a Two-Cover electronic system via www.tenderwizard.com/NIA. Bidders must hold a Class-III Digital Signature Certificate (DSC).

- **Cover 1 (PQ & Technical Bid):** Mandatory fee receipts, unconditional acceptance letter, technical eligibility documents, CA turnover certificate, Bank Solvency, and manufacturer authorized dealership letters.
- **Cover 2 (Financial / Price Bid):** Single Lump-Sum Bid Template quoting the total firm turnkey price for the complete work. Bidders must not fill individual item rates in the BOQ; the BOQ is provided strictly for scope assessment and general guidance.

SECTION 4: PRE-QUALIFICATION BID SUBMISSION ANNEXURES

- **Enrolment Form:** Form for Pre-qualification of Bidders (General Firm Profile, contact, PAN, GST).
- **Annexure A1 & A2:** Affidavit for Sole Proprietorship / Partnership Deed / Articles of Association.
- **Annexure B:** Particulars of past enrolments and works executed with NIA or other PSUs.
- **Annexure C:** List of major similar completed works during the last 7 years.
- **Annexure D:** List of ongoing projects and works in hand with contractual values.
- **Annexure E:** Particulars of permanent technical staff and Site Engineers deployed.
- **Annexure F:** Standard client performance report format covering quality, safety, and timeliness.
- **Annexure G:** Pre-Qualification Document Checklist.

BID - I: PART 2

CONDITIONS OF CONTRACT, SPECIFICATIONS & SCHEDULES

SECTION 5: CONDITIONS OF CONTRACT (GCC)

The General Conditions of Contract comprise 39 clauses governing the relationship between the Employer (National Insurance Academy) and the Turnkey EPC Contractor:

Clause 1: Interpretations & Definitions

Defines Employer (NIA), Director, Officer-in-Charge, Site Engineer, Site, Contractor, and Contract Documents.

Clause 2: Scope of Contract & Lump-Sum Basis

Contractor to execute works complete in every respect on a single Lump-Sum price. The indicative BOQ is for general guidance and scope visualization only.

Clause 3: Discrepancies & Precedence

Order of precedence: (a) Special Conditions, (b) Technical Specifications / Standards, (c) General Instructions, (d) GCC.

Clause 4: Drawings & Indicative Quantities

Schematic layout provided by NIA. Contractor must prepare all shop drawings, hydraulic designs, and GFC drawings to deliver the functional system.

Clause 5: Contractor to Provide Everything Necessary

Contractor shall supply all labor, scaffolding, staging, tools, pumping, shoring, lighting, and watching at own cost.

Clause 6: Authorities, Notices, Patents & Labor Laws

Contractor shall conform to PMC, State, and Central laws, pay municipal fees, and register under Contract Labour Act 1970.

Clause 7: Setting Out Work

Contractor shall establish benchmarks, centerlines, and elevation references. Errors must be rectified at contractor cost.

Clause 8: Removal of Offensive Matter

Trench muck and offensive matter must be immediately carted off campus to approved disposal dumps without extra claim.

Clause 9: Materials, Samples & Quality

Materials must be from normal trade channels, of first quality, complying with IS codes. Samples must be approved in advance.

Clause 10: Access to Site & Workshops

Employer and authorized technical staff shall have unfettered access to the site, fabrication yards, and testing premises.

Clause 11: Contractor's Supervision & Staff

Contractor must deploy a dedicated Resident Engineer (Diploma/Degree in Civil/MEP with minimum 2 years site experience).

Clause 12: Penalty for Non-Deployment of Engineer

Recovery of Rs. 3,000/- per month per personnel for failure to maintain approved technical supervisory staff on site.

Clause 13: Dismissal of Incompetent Workmen

Officer-in-Charge empowered to order immediate removal of unsuitable, disorderly, or negligent workmen from campus.

Clause 14: Dates of Commencement & Completion

Commencement within 21 days of LOA or site handover. Total completion within 10 weeks, strictly enforced.

Clause 15: Variations, Deviations & Extra Items

The contract is strictly on a Lump-Sum turnkey basis. No claims for quantity variations against the indicative BOQ shall be entertained. Extra items outside the functional scope shall be priced as per CPWD DSR or market rate analysis with 15% profit.

Clause 16: Insurance, Third-Party Liability & CAR Policy

Contractor must obtain CAR Policy and Workmen's Compensation Policy covering all works, materials, and third parties.

Clause 17: Extension of Time

Notice of delay must be submitted within 7 days of force majeure or client delay. Assessment by Officer-in-Charge.

Clause 18: Compensation for Delay (Liquidated Damages)

Penalty for delay @ 1.5% of contract value per month of delay (computed per day), subject to a maximum ceiling of 10%.

Clause 19: Failure to Comply with Instructions

If contractor fails to comply within 7 days of notice, NIA may employ external agencies at the contractor's risk and expense.

Clause 20: Measurement & Hidden Works Joint Inspection

Concealed pipes, trenches, and fittings must be jointly inspected, photographed, and certified before backfilling.

Clause 21: Payments & Staged Milestones

Payment shall be released in two defined stages: 40% upon full delivery and verification of all materials on site; 60% upon complete installation, testing, commissioning, flow balancing, and handover.

Clause 22: Unfixed Materials & Lien

All plant, materials, and pipes brought to the site vest in the Employer and cannot be removed without written consent.

Clause 23: Removal of Improper Work

Officer-in-Charge may condemn substandard work; contractor must demolish and reconstruct within 7 days at own cost.

Clause 24: Virtual Completion & Handover

Issued after successful hydrostatic testing, flow balancing across all 65 points, site cleanup, and As-Built drawings.

Clause 25: Defect Liability Period (DLP)

12 months from the date of Virtual Completion. Contractor must rectify all defects, leaks, and faults free of charge.

Clause 26: Other Persons Engaged by Employer

Employer reserves the right to execute non-contract work concurrently; contractor must provide reasonable coordination.

Clause 27: Suspension of Works by Contractor

Unauthorized suspension for 7 days empowers Employer to take possession and determine the contract.

Clause 28: Determination / Termination by Employer

Insolvency, abandonment, persistent delay, or defiance allows Employer to terminate contract after 7 days notice.

Clause 29: Termination by Contractor

Contractor may terminate if certified payments remain unpaid for 60 days after notice or work stopped for 6 months.

Clause 30: Foreclosure Due to Reduction in Scope

Employer may abandon or curtail scope without liability for lost anticipatory profits; full payment for work done.

Clause 31: Final Determination by Director, NIA

Director's decision is final and conclusive on matters of quality, delay, completion, and scope determination.

Clause 32: Security Deposit & Bank Guarantee Rules

5% Security Deposit in the form of Bank Guarantee valid throughout DLP plus 6 months claim period.

Clause 33: Settlement of Disputes & Sole Arbitration

Mutual discussion committee followed by Sole Arbitration appointed by Director, NIA under Arbitration Act 1996.

Clause 34: Tools, Plant & Transport

All lifting tackles, staging, pressure pumps, and transport to be arranged by the contractor at own expense.

Clause 35: Mode of Measurement

Contract is on a turnkey Lump-Sum basis; physical measurements are recorded for quality assurance, asset verification, and staged milestone certifications.

Clause 36: Firm Rates, Water & Electricity Charges

Rates firm throughout currency. If water/power utilized from NIA, recovery @ 0.25% of gross work value for each.

Clause 37: Materials & Cement Bags

All materials to be contractor-procured of approved makes. Empty cement bags belong to the contractor.

Clause 38: Termination Notice Period

Director may terminate contract with one month written notice for administrative exigencies.

Clause 39: Tender Validity Period

Bids shall remain open and valid for acceptance for a minimum of 90 days from technical bid opening.

SECTION 6: SPECIAL CONDITIONS OF CONTRACT (SCC)

- **Operational Environment:** The campus is a fully functioning residential and executive training institute. Works must be executed with minimum disturbance. Cleanliness of pathways and terraces must be maintained daily.
- **Campus Security & Passes:** Entry into residential quarters and common areas requires prior gate passes and photo ID cards. Labor movements must be restricted to demarcated zones.
- **Night & Holiday Work:** Any pipe routing, terrace work, or shutdown of main lines that requires night work or holiday operations must be approved in writing 48 hours in advance.
- **Photographic Documentation:** Contractor shall submit high-resolution photographic records covering all concealed lines and terrace installations.
- **Protection of Assets:** Contractor must take all precautions to protect lawns, underground cables, storm water drains, building plaster, and parked vehicles.

SECTION 7: SCOPE OF WORK (EPC TURNKEY MANDATE)**7.1 Mandatory MEP Design & Government College Vetting**

- **MEP Consultant Mandate:** The contractor must engage a qualified MEP Consultant to execute detailed hydraulic calculations, pipe sizing, booster pump selection, and isometric drawings.
- **Government Vetting:** The complete design dossier, network calculation sheets, and Good-for-Construction (GFC) drawings must be submitted to and formally vetted by an approved Government Engineering College (COEP Technological University, Pune; VJTI, Mumbai; or equivalent recognized State/Central Government technical institute).
- **Approval Pre-requisite:** All consultancy fees and institutional vetting charges shall be borne entirely by the contractor. No procurement or physical pipe laying shall commence without the formal vetted approval stamp and EIC acceptance.

7.2 Physical Infrastructure Scope

- **Hydropneumatics Booster:** Duplex Openwell Submersible / Booster Pump Set (1 Working + 1 Standby) complete with automated alternating DOL starter panel, float switch circuit, dry-run protection, and accumulator vessel.
- **Piping Network:** Heavy-duty SCH 80 UPVC / CPVC distribution loop (~850 m of 50 mm main distribution header and ~140 m of 40 mm vertical riser piping drops) with valves, brackets, and structural clamping.
- **Overhead Tanks:** 65 Nos. 500-liter 3-layer UV-stabilized food-grade PVC water storage tanks (63 Staff Quarters + 1 Clinic + 1 Meditation Hall) complete with float valves, overflow, and insect-proof air vents.
- **Sub-Metering System:** 65 Nos. tamper-proof digital sub-water meters installed at each individual tank inlet for volumetric monitoring.
- **Electrification:** Complete copper cabling in rigid conduits, electrical connections, and system automation.

SECTION 8: PROFORMA FOR ARTICLES OF AGREEMENT

Standard legal agreement proforma between National Insurance Academy, Pune and the successful EPC Contractor on non-judicial stamp paper of requisite value establishing single fixed lump-sum contract amount.

SECTION 9: BANK GUARANTEE FORMATS

- **Performance Security BG:** Bank Guarantee in lieu of Security Deposit (Annexure B) covering 5% contract value valid up to end of DLP plus 6 months claim period.
- **Advance Security BG:** Advance Security Bank Guarantee format for material hypothecation.

SECTION 10: STATUTORY DECLARATIONS & LETTERS

- **Letter to Bidder:** Standard institutional letter from Director, NIA to bidders regarding e-tendering rules.
- **Letter from Bidder:** Letter from bidder to Director, NIA confirming unconditional bid validity and compliance with lump-sum terms.
- **No Claims Certificate:** Formal receipt on revenue stamp confirming full and final settlement of claims.
- **Guarantee Undertaking:** Advance security undertaking regarding guaranteed replacement of defective parts.

SECTION 11: APPENDIX TO CONDITIONS OF CONTRACT

Clause Ref.	Parameter	Stipulated Contract Condition
NIT / Cl. 1.4	Estimated Cost	Rs. 25,80,000/- (Budgetary Estimate inclusive of 18% GST)
NIT / Cl. 2	Contract Structure	Single Fixed Lump-Sum Turnkey Contract (BOQ is purely indicative)
Cl. 21.1 / NIT	Staged Payment Schedule	Stage 1: 40% on delivery of all materials on site Stage 2: 60% on complete installation, testing,

Clause Ref.	Parameter	Stipulated Contract Condition
		commissioning & handover
Cl. 14 / NIT	Period of Completion	10 (Ten) Weeks (2-3 weeks for MEP design & vetting; 7-8 weeks execution)
Cl. 32.2	Earnest Money Deposit (EMD)	Rs. 52,000/- via online payment or DD
Cl. 11 & 12	Technical Supervisory Staff	1 Qualified Civil/MEP Engineer (Diploma + 2 yrs experience)
Cl. 12 / SCC	Non-Deployment Penalty	Rs. 3,000/- per month per unfulfilled supervisory position
Cl. 14	Date of Commencement	21 days from LOA or date of site handover, whichever is earlier
Cl. 18	Liquidated Damages / Delay	1.5% of contract value per month of delay (daily computation), max 10%
Cl. 21.3	Honoring Milestone Bills	30 Calendar Days from submission of verified milestone billing
Cl. 21.5	Final Bill Assessment	60 Days from submission of final bill and No Claims Certificate
Cl. 32.1	Security Deposit (SD)	5% of accepted contract amount in the form of Bank Guarantee
Cl. 16.5	Contractor's All Risk (CAR)	Full contract value covering fire, damage, third party & materials
Cl. 25	Defect Liability Period (DLP)	12 Months from certified date of Virtual Completion
Cl. 36.1	Water & Power Charges	Recovery @ 0.25% of gross work value for water; 0.25% for electricity if used

SECTION 12: QUALITY STANDARDS & WORKMANSHIP CODES

- **CPHEEO Manual & IS 2065:** Code of Practice for Water Supply in Buildings (Ministry of Housing and Urban Affairs).
- **IS 10500:** Indian Standard for Drinking Water Quality (Potable Water Criteria).

- **ASTM D1785 / IS 4985:** Standard Specification for Polyvinyl Chloride (PVC) Plastic Pipe, Schedule 80.
- **IS 12701:** Specification for Rotational Moulded Polyethylene Water Storage Tanks.
- **IS 8472 / IS 9283 / IS 14220:** Specification for Openwell / Submersible Centrifugal Pump Sets.
- **IS 779 / ISO 4064:** Specification for Water Meters (Domestic & Commercial Types, Class B).
- **IS 694 / IS 732:** Specification for Copper Conductor Cables and Earthing Installations.

SECTION 13: APPROVED LIST OF PRINCIPAL MAKES & BRANDS

Equipment / Material Category	Approved Principal Makes / Manufacturers
Openwell Submersible / Booster Pumps	Kirloskar / CRI / Lubi / Grundfos / KSB
UPVC Pipes & Fittings (Schedule 80)	Prince / Finolex / Supreme / Astral
CPVC Pipes & Specials	Astral / Finolex / Supreme / Prince
Overhead Water Storage Tanks (3-Layer)	Sintex / Prince / Supreme / Plasto
Valves (Ball, Non-Return, Gate, Butterfly)	Zoloto / Audco / Leader / Kirloskar / Sant
Digital / Mechanical Water Flow Meters	Kranti / Anand / Zenner / Itron
Pressure Gauges & Transmitters	Danfoss / Wika / Baumer
DOL Starters & Switchgear	L&T / Schneider Electric / Siemens / ABB
Power & Control Cables (FRLS Copper)	Polycab / Finolex / Havells / RR Kabel
PVC Conduits & Accessories	Precision / BEC / AKG / Supreme
Float Valves & Level Controllers	Leader / Zoloto / IVC / Neta

BID - II: FINANCIAL BID

LUMP-SUM PRICE BID TEMPLATE & INDICATIVE BILL OF QUANTITIES

SECTION 14: FINANCIAL BID SUBMISSION TEMPLATE

IMPORTANT INSTRUCTION TO BIDDERS: The tender is strictly on a Single Lump-Sum Turnkey Basis. Bidders are NOT required to fill unit rates against individual items in the BOQ. Bidders must quote only ONE firm Lump-Sum Amount for the complete execution of the project in accordance with the Scope of Work, Quality Standards, and Approved Brands.

14.1 Lump-Sum Financial Offer Table

Sr. No.	Description of Turnkey Work	Staged Payment Breakdown	Quoted Amount in Figures (Rs.)	Quoted Amount in Words
1	Complete turnkey execution of Hydropneumatics Water Supply Pipeline Network from new 2-inch PMC connection, individual 500 L overhead tanks (65 Nos.), sub-meters (65 Nos.), booster pumping system, MEP design, and Government College vetting complete in all respects.	• Stage 1 (40%): On full delivery and verification of all materials, pipes, tanks, pumps & fittings at NIA campus site. • Stage 2 (60%): On completion of pipeline laying, terrace tank hoisting, hydro-testing, flow balancing, commissioning, and virtual handover.	[To be quoted by Bidder]	[To be quoted by Bidder]
2	Applicable GST on Works Contract (@ 18%)	Reimbursable as per Govt. notifications	[Calculated @ 18%]	
3	TOTAL CONTRACT VALUE (Inclusive of GST)	Gross Financial Commitment	[Total Quoted Gross]	

14.2 Indicative Bill of Quantities (FOR GENERAL INFORMATION & GUIDANCE ONLY)

Note: The quantities and descriptions given below are solely for enabling bidders to assess the project scope, prepare hydraulic layouts, and arrive at their competitive Lump-Sum bid. The quantities are not to be priced individually and shall not form the basis for unit-rate billing variations.

Sr. No.	Scope Component / Material Description	Quality Standard & Approved Make	Indicative Qty	Unit	Remark
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Sr. No.	Scope Component / Material Description	Quality Standard & Approved Make	Indicative Qty	Unit	Remark
1.0	MEP Design, Institutional Vetting & Pumping System				
1.1	Comprehensive MEP engineering survey, hydraulic head-loss calculations, network layout, pump sizing, and structural anchor designs by a qualified MEP Consultant, followed by proof-checking, vetting, and certification by a Government Engineering College (COEP / VJTI / Govt. College of Engineering) including submission of vetted GFC drawings.	CPHEEO / IS 2065; Vetted by Govt. Engineering College	1	Lump Sum	Included in Lump-Sum
1.2	Duplex Openwell Submersible / Booster pump set (1W + 1S) as per vetted design for delivering drinking water from underground tank to overhead tanks, complete with automated alternating DOL starter panel, level sensors, dry-run cut-off, and overload protection.	IS marked; Make: Kirloskar / CRI / Lubi / Grundfos	1	Set	Included in Lump-Sum
1.3	Header Manifold Assembly consisting of high-pressure Ball valves, NRVs, pressure transmitter, glycerin-filled pressure gauge, and accumulator connection.	IS / BS standard; Make: Zoloto / Audco / Leader / Danfoss	1	Set	Included in Lump-Sum
1.4	Supply and laying of 3-core 2.5 sq mm FRLS copper conductor cable in rigid PVC/GI conduit from starter panel to pump sets.	IS 694; Make: Polycab / Finolex / Havells	60	Meter	Included in Lump-Sum
2.0	Distribution Pipeline Network				
2.1	SITC of 50 mm OD UPVC SCH 80 main distribution pipe with necessary fittings (elbows, tees, sockets, unions) including clamping, trenching, wall chasing, and surface restoration up to	ASTM D1785 / IS standard; Make: Prince / Finolex / Supreme / Astral	850	Meter	Included in Lump-Sum

Sr. No.	Scope Component / Material Description	Quality Standard & Approved Make	Indicative Qty	Unit	Remark
	distribution nodes.				
2.2	SITC of 40 mm OD UPVC SCH 80 riser drops and inlet piping with necessary fittings from main header to individual overhead water tanks.	ASTM D1785 / IS standard; Make: Prince / Finolex / Supreme / Astral	140	Meter	Included in Lump-Sum
3.0	Overhead Storage Tanks & Sub-Meters				
3.1	Hoisting, SITC of 500-liter capacity 3-layer UV-stabilized food-grade PVC water tank, complete with heavy-duty mechanical float valve, drain plug, overflow pipe, and insect-proof air vent.	IS 12701 compliant, 10-year warranty; Make: Sintex / Prince / Supreme / Plasto	65	Nos.	Included in Lump-Sum
3.2	SITC of tamper-proof sub-water meter at the inlet of each overhead water tank for volumetric flow monitoring.	IS 779 / ISO 4064 Class B; Make: Kranti / Anand / Zenner / Itron	65	Nos.	Included in Lump-Sum

14.3 Tenderer Declaration & Form of Bid

To,
The Director,
National Insurance Academy,
Balewadi, Baner Road, NIA P.O., Pune - 411 045.

Sir,

1. I/We have carefully visited and inspected the campus site, examined the physical conditions, studied the tender documents, quality standards, approved makes, and the indicative schedule of quantities for the above-mentioned work.
2. I/We hereby offer to execute the entire turnkey project on a single fixed Lump-Sum basis as quoted above, conforming to all design, government college vetting, execution, and commissioning requirements.
3. I/We unconditionally agree that payment shall be governed strictly by the staged milestone schedule: 40% upon verified complete delivery of materials at site, and 60% upon complete installation, testing, and commissioning.
4. I/We confirm that the BOQ provided in the tender document is for general guidance only and no claims for itemized variations or quantity adjustments shall be raised.
5. Until a formal agreement is prepared and executed, this tender together with your written acceptance shall constitute a binding contract between us.

Signature of Authorized Signatory: _____

Name & Designation: _____

Name of Bidding Firm: _____

Company Seal / Stamp: _____

Date: _____ | Place: _____