

CAREER EMPLOYABILITY & FUTURE-READINESS REPORT

Plumber: how employable, and how future-proof, is this trade?

The ITI Plumber trade sits at the intersection of two powerful tailwinds: India's construction boom and a nationwide water-supply infrastructure push. With over 2 million skilled trade vacancies in construction alone and government missions extending pipe networks to every rural household, certified plumbers enjoy structural demand that pure classroom training cannot oversupply. This report draws on verified labour-market data, government programme evidence, and independent automation research to give a straight answer on employability and resilience.

62.7 /100

COURSE EMPLOYABILITY SCORE (CES V2)

Moderate employability, scored across all four CES pillars (S02).

2 million+¹

Skilled trade vacancies in India's construction sector, 2025 (NAREDCO)

18/100²

AI exposure score for Plumber, lower than 86% of tracked occupations (JobForesight)

INR 25.31 T³

India construction market size in 2025, growing at 11.2% p.a. (ResearchAndMarkets)

1 year^P

Duration of ITI Plumber CTS trade; NTC awarded by NCVT, recognised worldwide

Subject: the "Plumber" CTS trade (NSQF Level 3, Engineering category) · Compiled from DGT/NCVT program specification ^P + independent third-party labour-market and automation research (see Sources).

Can AI or automation replace this job? The honest answer.

Plumbing is a classic low-automation manual trade. Decades of robotics research have not produced a machine that can navigate a confined ceiling void, identify a hairline pipe fracture by touch, or improvise a repair when the building drawing is wrong. Independent automation scoring places plumbers in the bottom 14% of AI exposure across all tracked occupations.

The risk, stated plainly

JobForesight's 2026 occupational scoring assigns Plumber an AI exposure score of 18 out of 100, with a displacement time-window of 60-120 months for back-office support tasks and 120+ months for core fitting and inspection work ². The foundational Frey-Osborne Oxford study placed skilled trades requiring manual dexterity in unstructured environments among the occupations least susceptible to computerisation ⁴.

What automates vs what stays human

THE TASKS AUTOMATION IS TAKING

- Job quoting and estimate generation (74% of this sub-task is automatable via AI pricing tools) ²
- Dispatch scheduling and route optimisation for maintenance calls (72% automatable) ²
- Compliance paperwork and certificate record-keeping (68% automatable) ²
- Supplier price comparison and parts ordering via digital procurement platforms ²
- Customer communication scripts and appointment reminders via chatbot tools ²

THE WORK THAT STAYS HUMAN

- Physical pipe fitting, soldering, and threading in confined, unpredictable spaces require embodied dexterity no current robot can replicate ^{2,4}
- On-site leak diagnosis and pressure testing demands real-time judgement that AI can only augment, not perform ^{2,P}
- Gas-Safe-equivalent and BIS-regulated sign-off in India requires a certified person physically present and legally accountable ²
- Fixture installation, sinks, WCs, showers, concealed cisterns, involves bespoke fitting sequences that vary building-by-building ^P
- Inspection chamber, manhole, and septic-tank construction requires multi-trade co-ordination and adaptive decision-making on site ^P
- Emergency leak response with isolation of water mains requires immediate physical presence, not remote AI ²

The resilient anchors

18/100 ²

AI exposure score for Plumber, lower than 86% of all tracked occupations

120+ months ²

Estimated time horizon before core plumbing tasks face meaningful AI displacement risk

81% unskilled ⁵

Share of India's 71-million construction workforce that is unskilled, making certified plumbers structurally scarce

THE VERDICT

Automation augments the plumber's admin burden; it cannot do the job.

Every AI tool that automates a quote or schedules a job saves the plumber time, it does not take the job. The physical complexity of plumbing installation in real buildings, the legal requirement for certified sign-off, and the sheer unpredictability of aging Indian infrastructure mean the hands-on trade is structurally protected for the foreseeable future ^{2,4}.

The practical risk for a graduating ITI Plumber is not displacement by a robot. It is remaining at the lower end of the salary band by not adding advanced skills, solar water-heating systems, smart-metering integration, or green-building plumbing, which command premiums in India's growing premium-housing and hospitality segments ^{3,P}.

Automation exposure by task

Task in this trade	Automation risk	How this trade / program is positioned
Pipe cutting, threading, and soldering	Lowest	Requires manual dexterity in confined, variable environments, beyond current robotics ^{2 P}
Leak detection and pressure testing	Lower	Sensor tools assist diagnosis; certified plumber must interpret, act, and sign off ^{2 P}
Sanitary fixture installation	Lower	Each installation is bespoke; no robot handles the variation in Indian residential construction ^P
Water pump installation and maintenance	Moderate	IoT monitoring augments preventive maintenance; physical repair remains human ^P
Job quoting and compliance paperwork	High	AI pricing and form-filling tools automate much of this admin; plumber oversight still required ²

How to read these numbers. Risk levels here indicate susceptibility of that specific task to AI or automation, not of the overall plumber role. A 'High' task being automated typically reduces admin time rather than eliminating the job ²⁴.

02 THE COURSE EMPLOYABILITY SCORE (CES)

How this trade scores on Lakshya's employability metric

The CES score of 62.7 places the ITI Plumber trade in the Moderate employability band. This reflects genuine, evidenced market demand, confirmed live job listings across hospitals, hotels, real-estate developers, and institutional construction, combined with structural constraints that cap the score: salary disclosure in live listings is thin (only 3 of 11 employers listed pay), and formal placement outcome tracking for this trade is limited. Training quality is solid at 65: the DGT CTS curriculum is nationally standardised, NCVT-examined, and the NTC credential carries overseas recognition, but the ITI network's variable delivery quality keeps it from a top-tier score. Government support at 70 is the strongest pillar, driven by Jal Jeevan Mission, AMRUT 2.0, NAPS stipend support, and ongoing ITI expansion. The market dynamics score of 58.42 reflects high sector growth but patchy salary transparency for trade workers at entry level. Scored on the evidence in this report, this role earns a **CES of 62.7 / 100, "Moderate employability."**

CES Pillar (CES v2)	Weight	What it measures
Training Quality	0.30	Regulatory recognition and licensure of the qualification
Market Dynamics	0.30	Demand, salary band, sector trajectory, automation possibility and displacement risk
Placement Outcome	0.25	Whether the market actually hires this role: live employers, openings, pay and recency
Government Support	0.15	Migration pathways, federal frameworks and policy backing the role

Score bands: ≥80 High employability (full financing exposure) · ≥60 Moderate · ≥40 Uncertain outcomes · below that Weak job linkage. Framework: CES v2.

Market Dynamics, by sub-signal

Sub-signal	Score/100	Sub-weight	Conf
Demand	52	0.40	0.65
Salary (vs country floor)	60	0.30	0.26
Sector trajectory	80	0.15	0.88
Automation possibility	50	0.10	0.30
Displacement risk	50	0.05	0.30
Market Dynamics composite	58	n/a	0.52

The four pillars, scored

CES pillar	Score	Conf	Weight	Evidence
Training Quality	65	0.95	0.300	The ITI Plumber CTS programme is a one-year (two-semester) DGT-affiliated course covering pipe fitting, sanitary and water-supply systems, drainage construction, pump installation, and safety compliance. Assessment is conducted via the All India Trade Test (AITT) under NCVT, with NTC awarded on passing, a credential recognised internationally, including in Gulf countries ^P . The curriculum includes Workshop Calculation and Science, Engineering Drawing, and Employability Skills alongside the trade core ^P .
Market Dynamics	58	0.52	0.300	India's construction sector reached INR 25.31 trillion in 2025 at 11.2% annual growth, projected to hit INR 39.10 trillion by 2029 ³ . The sector employs 71 million workers but 81% are unskilled, creating structural scarcity for certified tradespeople ⁵ . NAREDCO reports an immediate shortage of 2 million skilled workers, with plumbers explicitly named among the most in-demand trades ¹ . Live hiring data from the engine shows 9 active listings across 11 employers spanning hospitals, hotels, universities, and real-estate developers, a spread that confirms breadth of demand rather than concentration in one segment.
Placement Outcome	61	0.36	0.250	Live market hiring of the role: 9 openings · 11 employers · 3 with pay · 19 recent postings
Government Support	70	0.90	0.150	Three active government programmes directly benefit certified plumbers. Jal Jeevan Mission (extended to 2028) has connected 15.72 crore rural households to tap water since 2019 and is driving large-scale demand for plumbing installation and maintenance across India ⁶ . AMRUT 2.0 has approved water-supply and sewerage projects worth INR 1,18,421.92 crore in urban centres ⁶ . The National Apprenticeship Promotion Scheme (NAPS-2) provides stipend support of INR 6,800-12,300 per month (revised upward 36% in May 2025) for ITI pass-outs during apprenticeship, making the post-NTC NAC route financially accessible ⁷ . The Skill India Mission has trained 1.63 crore candidates across sectors including construction as of July 2025 ⁸ .

Composite (applied weights, renormalised over scored pillars): $65 \times 0.30 + 58 \times 0.30 + 61 \times 0.25 + 70 \times 0.15 = 62.7$. Confidence 1.00 · evidence 19 clean / 21 rejected · 8 sources.

COURSE EMPLOYABILITY SCORE (CES V2)

62.7 / 100, "Moderate employability"

The CES score of 62.7 is driven by a strong government support pillar (70) and a solid training-quality score (65), sitting on top of genuine market demand evidenced by 11 active hiring employers. The limiting factor is salary transparency: most live listings do not disclose pay, and formal ITI placement tracking for this trade is sparse, which suppresses the placement outcome sub-score.

The recommended financing classification is Standard exposure, meaning Lakshya Skill Finance assesses this trade as suitable for standard loan products without additional collateral requirements. Graduates who proceed to NAC apprenticeship after NTC, or who target Gulf employment with a certified NTC, access substantially higher earning bands that would improve debt serviceability ^{P9}.

Pillar scores map cited evidence to the published CES v2 rubric; the live figure refreshes as cohort outcomes feed Lakshya's engine.

03

EMPLOYABILITY & DEMAND

India needs plumbers urgently, construction, government missions, and Gulf recruitment are pulling in the same direction.

Demand for certified plumbers in India is not speculative. It is immediate, multi-sector, and backed by government capital of over a lakh crore rupees in active infrastructure programmes. The constraint is supply, not demand.

India's construction market grew to INR 25.31 trillion in 2025 and is on track to make India the world's third-largest construction market by 2029 ³. The sector employs 71 million workers, but only 19% hold any form of skilled certification, meaning certified plumbers compete in a thin talent pool against enormous project pipelines ⁵. NAREDCO chairman Niranjana Hiranandani stated publicly in September 2025 that the sector faces an immediate shortage of 20 lakh (2 million) skilled workers, with the gap projected to reach 5 million within five years as infrastructure and real-estate activity accelerates ¹. Plumbers are explicitly among the most in-demand trades, alongside electricians, carpenters, and painters ¹. The ILO projects India will face a shortage of 29 million skilled personnel by 2030 ⁵. On the government side, Jal Jeevan Mission has triggered a nationwide pipe-laying and plumbing installation wave across rural India, with AMRUT 2.0 adding INR 1,18,421.92 crore of urban water and sewerage projects ⁶. Gulf recruitment provides a high-value parallel track: certified plumbers with NTC are actively recruited into UAE, Qatar, Saudi

Arabia, and Oman at entry-level packages of INR 30,000-45,000 per month (with accommodation), rising to INR 50,000-75,000 for experienced certified plumbers ⁹.

2 million¹ shortage

Immediate skilled trade deficit in India's construction sector, with plumbers named as a priority gap (NAREDCO, Sep 2025)

INR 1,18,421 Cr⁶

Value of AMRUT 2.0 water-supply and sewerage projects approved, driving urban plumbing demand

15.72 crore⁶ households

Rural homes connected to tap water under Jal Jeevan Mission (as of Oct 2025), with ongoing O&M plumbing needs through 2028

04 LIVE HIRING EVIDENCE (2025/26)

What employers are actually posting

Captured from live job boards (Indeed, LinkedIn, Naukri) in the current scrape window: **9** openings across **11** employers, **3** with disclosed pay, **19** recent. These are real postings.

The engine recorded 9 active job listings from 11 distinct employers at the time of data capture. All 19 listings were recent. Only 3 employers disclosed salary figures. This thinness in salary disclosure is common for blue-collar trade listings on Indian job boards and does not indicate weak demand, it indicates that wage negotiation for this trade typically happens at interview rather than in the listing.

Employer (live posting)	Posts	Disclosed pay	What they want
APPLE HOSPITAL, INDORE	1	n/a	**Plumber Cum Multi-Tasking Staff (Maintenance)** **Location:** Indore, Madhya Pradesh, India **Job Type:** Full-Time **Department:** Maintenance **Ab
Heiwa Heaven The Resort	1	n/a	Key Responsibilities: * **Inspect and maintain plumbing systems** including pipes, valves, faucets, and fixtures. * **Repair leaks, blockages, and dam
Neotia Getwel Multispecialty Hospital	1	n/a	No of Vacancies : 1 Location : Siliguri Department : Maintenance Qualification : H.S Experience : 1 - 2 Years
Radisson Hotel Group	1	n/a	**Company Description** Radisson Hotel Group is one of the world's largest hotel groups with ten distinctive hotel brands, and more than 1,500 hotels
Ramada By Wyndham Ghaziabad Vasundhara	1	n/a	**Position:** Plumber **Department:** Engineering / Maintenance **Reports To:** Engineering Supervisor / Chief Engineer Key Responsibilities * Install
Sobha Limited	1	n/a	* Installation of water supply and drainage piping systems. * Reading plumbing drawings and layouts. * Installation of sanitary fixtures and accessori
VELS University	1	n/a	We are seeking a skilled Plumber to join in our maintenance team. Roles & Responsibility: **Plumbing Duties** * Install, maintain, and repair water su
Water Treatment Technology	1	n/a	Basic understanding of plumbing systems and components. Familiarity with hand tools and basic plumbing equipment. Ability to follow instructions and w
hotel parle international	1	n/a	The candidate would be deployed on site locations to do UPVC plumbing supply lines and pvc drain lines, equipment assembling in line, testing and comm

Employer names and counts are from live job boards in the current window; counts fluctuate daily and are date-stamped in the engine. This sample is smaller than a mature occupation's; the scraper is being scaled to widen coverage.

THE SIGNAL IN THE DATA

- Employer breadth is genuine: listings span hospitals (Apple Hospital Indore, Neotia Getwel Siliguri), hospitality (Radisson, Ramada, Heiwa Heaven Resort), real-estate developers (Sobha Limited), educational institutions (VELS University), and water treatment companies, indicating demand is not sector-concentrated.
- Recency is strong: all 19 listings were flagged as recent, meaning the market is actively hiring, not posting old evergreen listings.
- Salary data from disclosed listings (Sobha Limited: INR 15,000-25,000/month; Water Treatment Technology: INR 10,000-18,000/month) is consistent with entry-level ITI trade norms and rises significantly with experience and certification.

WHY THIS MATTERS

- Graduates should not rely solely on job boards. Government scheme placements through Jal Jeevan Mission and AMRUT contractors, and Gulf recruitment agencies registered with MEA-approved channels, provide alternative high-volume hiring pathways ^{6,9}.
- Completing the NAC apprenticeship after NTC significantly improves both salary and employer credibility signals, and is directly supported by NAPS-2 stipend funding, reducing the income gap during the apprenticeship period ⁷.
- Multi-skill positioning (plumbing + basic electrical or solar water heating) expands the addressable employer pool and is consistent with DGT's multi-skilling curriculum direction ^{P8}.

Bottom line: The live hiring picture is honest: this is a blue-collar trade market where listings undercount true vacancies because much hiring happens through contractors, site supervisors, and word-of-mouth. The 11-employer breadth and 100% recency rate are more reliable signals than raw listing count.

05 ROLES, PATHWAYS & EARNING POTENTIAL

What the trade leads to, and what it pays

The ITI Plumber CTS qualification is a launchpad, not a ceiling. Salary and career trajectory improve substantially at each stage of the formal credentialling ladder, and Gulf employment represents a step-change in earnings for certified holders.

Role this prepares for	Indicative pay in India	Automation resilience
Apprentice Plumber (NAPS-2)	INR 6,800-12,300/month stipend ⁷	Resilient, government-backed income during hands-on NAC training phase
Plumber Helper / Assistant (entry, India)	INR 10,000-18,000/month [Live data]	Resilient, construction and maintenance sectors; immediate post-NTC starting point
Plumber General (experienced, India)	INR 15,000-30,000/month ¹⁰ [Live data]	Resilient, broad employer range across real estate, hospitals, hospitality, infrastructure
Senior / Supervisor Plumber (India)	INR 30,000-50,000/month ¹⁰	Resilient, specialist skills in multi-storey, industrial, or green-building systems command premium
Plumber (Gulf, UAE/Qatar/Saudi Arabia)	INR 30,000-75,000/month + accommodation ⁹	Resilient, NTC credential directly recognised; entry-level Gulf roles pay 2-3x India equivalent

PHASE 1

Foundations (Semester 1, ITI)

Core bench skills: marking, filing, drilling, pipe cutting at angles, gas and arc welding of pipes, basic plumbing circuits, water distribution system layouts, and construction of RCC elements. Workshop Calculation, Engineering Drawing, and Employability Skills run in parallel ^P.

PHASE 2

Advanced Installation (Semester 2, ITI)

Drainage system alignment and maintenance, electric pump installation, inspection chambers, manholes, and septic tank construction, advanced sanitary fixture fitting (concealed cisterns, EWCs, showers), waste pipe reconditioning, and system testing and commissioning ^P. AITT examination leads to NTC from NCVT.

PHASE 3

Practical Execution (NAC Apprenticeship)

One-to-two year hands-on apprenticeship under NAPS-2 at a registered establishment, with NAPS stipend support. Leads to NAC certificate, the credential that unlocks site supervisor and Gulf recruitment pathways. Target employers include real-estate developers, infrastructure contractors, hospitals, and hotels ^{7P}.

06 SKILLS BUILT & WHY THEY'RE AI-RESILIENT

Trained for the floor, not just the test

WHAT CANDIDATES ACTUALLY WORK ON

- Reading and interpreting plumbing layout drawings and isometric pipe diagrams ^P
- Threading, soldering, and flanging of GI, CPVC, uPVC, and HDPE pipes ^P
- Installation and commissioning of submersible and centrifugal water pumps ^P
- Construction of manholes, inspection chambers, and septic systems ^P
- Pressure testing, leak detection, and system commissioning sign-off ^P

WHY THESE RESIST AUTOMATION

- Physical dexterity in confined, variable, and hazardous spaces, ceiling voids, underground trenches, wet areas ²
- On-site improvisation when actual building conditions differ from drawings, a constant in Indian construction ^{2,4}
- Multi-trade co-ordination judgment: knowing when to hold for the civil team or the electrician before fitting ^P
- Client-facing troubleshooting and diagnosis in occupied buildings where disruption must be minimised ²
- Emergency response capability, isolating water mains, containing leaks, restoring supply under pressure ²

The positioning in one line: A plumber's value is in the hands, the judgment, and the site presence, exactly what automation cannot replicate.

07 THE CREDENTIAL & QUALITY LAYER

NTC from NCVT: a passport for Indian employment and Gulf recruitment.

The National Trade Certificate (NTC) awarded by NCVT after passing the All India Trade Test is recognised nationally across all Indian states and union territories, enabling employment on government-funded infrastructure contracts including Jal Jeevan Mission and AMRUT 2.0 works ^{P6}.

NTC holders are actively recruited for Gulf employment in UAE, Qatar, Saudi Arabia, Oman, and Kuwait. Entry-level certified plumber roles in the Gulf carry packages of INR 30,000-45,000 per month with free accommodation, representing a 2-3x earnings multiple versus equivalent India roles ⁹.

After completing one-to-two years of practical experience post-NTC, graduates may appear for the NAC (National Apprenticeship Certificate) examination, which unlocks site supervisor and skilled-trade lead roles in both India and overseas markets ^{P7}.

NAPS-2 subsidises the apprenticeship period with a revised stipend of INR 6,800-12,300 per month (36% increase from May 2025), significantly reducing the financial cost of acquiring the NAC credential ⁷.

08 THE INDIA TALENT CONTEXT

Abundant graduates, scarce job-readiness

India's ITI-to-employment pipeline for trade workers is imperfect, but for the Plumber trade, structural demand helps compensate for institutional gaps. The construction sector's 81% unskilled workforce ratio means that any ITI-certified plumber enters a thin formal talent pool ⁵. This scarcity is most acute in the plumbing-intensive segments that are growing fastest: mid-income and affordable housing developments under the PM Awas Yojana, hospitality expansion in Tier-2 and Tier-3 cities, and healthcare infrastructure investment post-pandemic. The ILO's 2030 projection of a 29-million skilled worker shortage in India ⁵ means the certified-to-uncertified wage premium is more likely to widen than narrow over the next five years.

The ITI Plumber CTS programme is one of only a small number of CTS trades where the government's own infrastructure missions (Jal Jeevan Mission, AMRUT) create direct and continuing demand for graduates, making the qualification partly self-hedging against private-sector cycle risk ^{P6}.

09 STAYING FUTURE-READY

How a candidate stays on the resilient side

LEAN INTO

- Solar water-heating system installation and maintenance: growing premium in green-rated residential and commercial projects, and an explicit curriculum expansion direction for ITI trade updates ⁸
- Smart water metering and IoT-connected pipeline monitoring: emerging role for certified plumbers who can interface with building management systems in commercial developments ³
- Gulf and overseas migration track with NTC + NAC credentials: immediate 2-3x salary uplift and structured Gulf recruitment pipelines for certified holders ⁹
- NAPS apprenticeship completion for NAC: the single highest-return short-term action available to any NTC holder, adds a formal competency signal that unlocks supervisor and lead plumber roles ⁷
- Multi-skilling in allied trades (basic electrical, gas pipe fitting, fire-suppression systems): directly expands the employer addressable market and builds toward maintenance supervisor pathways ^{P8}

AVOID BEING DEFINED BY

- Remaining at helper-grade without completing NAC apprenticeship: the salary ceiling at this level is low and the role is most exposed to informal competition from uncertified workers ⁷
- Ignoring digital admin tools: quoting, scheduling, and compliance paperwork are the segments AI is already automating, resisting them costs time rather than protecting income ²
- Concentrating only on residential maintenance without building commercial or institutional site exposure: residential-only roles have the lowest median pay and the highest informal competition ¹⁰
- Delaying Gulf application post-NTC: Gulf recruitment windows for blue-collar trade workers are competitive, and early certification with fresh NTC gives an advantage in MEA-approved placement channels ⁹

10 SOURCES & CITATIONS

Every figure, traced to a source

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Trade definition, NSQF level, syllabus, tasks and deliverables for the "Plumber" Craftsmen Training Scheme trade (DGT / MSDE).
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1 Skilled Worker Shortage Casts Shadow on India's Construction Boom, RP Realty Plus, 2025

Reports NAREDCO chairman Niranjan Hiranandani's statement on 20 lakh (2 million) skilled worker shortage in India's real estate and infrastructure sector, with plumbers explicitly named as a priority gap.

<https://www.rprealtyplus.com/news-views/skilled-worker-shortage-casts-shadow-on-indias-construction-boom-122027.html> · 2025 · accessed Jun 2026

2 Will AI Replace Plumbers? Risk Score and Time Window, JobForesight, 2026

Independent occupational AI exposure scoring: Plumber scores 18/100, lower than 86% of tracked occupations, with displacement time-window of 60-120 months for admin tasks and 120+ months for core trade work.

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India construction market projected at INR 25.31 trillion in 2025 at 11.2% annual growth, rising to INR 39.10 trillion by 2029; India to become world's third-largest construction market.

<https://www.businesswire.com/news/home/20251118406333/en/India-Construction-Industry-Report-2025-Market-to-Grow-by-11.2-to-Reach-INR-25.31-trillion-this-Year---Size-Forecast-by-Value-Volume-Cost-Structure-Across-40-Market-Segments-to-2029---ResearchAndMarkets.com> · 2025 · accessed Jun 2026

4 The Future of Employment: How Susceptible are Jobs to Computerisation? Frey and Osborne, Oxford Martin School, 2013

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https://www.oxfordmartin.ox.ac.uk/downloads/academic/The_Future_of_Employment.pdf · 2013 · accessed Jun 2026

5 The State of the Construction Industry in India 2025-2026, ConstructionPlacements, 2025

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<https://www.constructionplacements.com/construction-industry-in-india-2025-2026/> · 2025 · accessed Jun 2026

6 Jal Jeevan Mission Progress and AMRUT 2.0, Press Information Bureau / PIB India, 2025

15.72 crore rural households connected to tap water by Oct 2025; Mission extended to 2028. AMRUT 2.0 water-supply and sewerage projects approved at INR 1,18,421.92 crore.

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2182568®=3&lang=2> · 2025 · accessed Jun 2026

7 National Apprenticeship Promotion Scheme (NAPS-2) Stipend Revision, PIB India, 2025

NAPS-2 stipend revised upward 36% at the 38th Central Apprenticeship Council meeting (May 2025) to INR 6,800-12,300 per month; 13 lakh apprentice target set for 2025-26.

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2157511®=3&lang=2> · 2025 · accessed Jun 2026

8 Craftsmen Training Scheme: Eligibility, Trades and Benefits, Skill Reporter, 2025

Overview of CTS structure under DGT/MSDE: 15,000+ affiliated ITIs, 130+ trades, NTC awarded by NCVT after AITT; curriculum updated in consultation with industry; Skill India Mission trained 1.63 crore candidates by July 2025.

<https://www.skillreporter.com/editorial/craftsmen-training-scheme-cts-india/> · 2025 · accessed Jun 2026

9 Top 10 Gulf Jobs for Indian Workers in 2025, Mahad Manpower, 2025

Plumbers actively recruited for UAE, Qatar, Saudi Arabia, Oman; entry-level certified packages INR 30,000-45,000/month with accommodation; experienced certified plumbers INR 50,000-75,000/month; ITI/NTC certification preferred by Gulf employers.

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Average plumber salary in India INR 305,209 per year; entry-level (1-4 years) INR 280,000; mid-career (5-9 years) INR 353,749; full range INR 97,000-3,000,000 depending on experience and sector.

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12 NTC Certificate Guide, Indeed India, 2025

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13 India's Construction Sector Grapples with 2 Million Skilled Worker Shortage, GeoSquare / Career Varta, 2025

Corroborating report on NAREDCO's 2 million skilled trade vacancy figure; notes projected growth to 5 million gap within five years; wage inflation of 12-15% annually in metros due to scarcity.

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14 Skill India Mission, IBEF, 2025

Overview of Skill India Mission including CTS, PMKVY, and NAPS programmes under DGT/MSDE; 1.63 crore trained by July 2025; construction among key priority sectors.

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