NGS Construction Management Conclave 2026

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Accelerating PNG Execution at MGL – Leveraging Robust Experience with New Strategies

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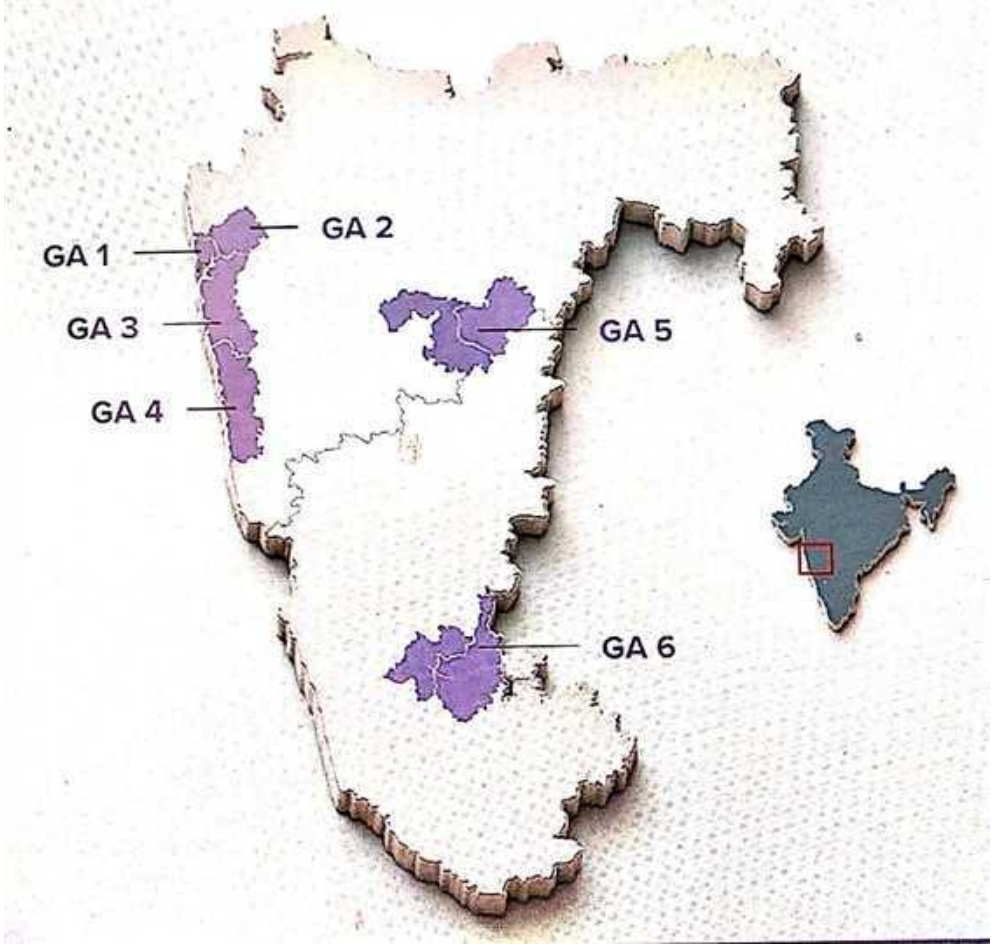
Topics to be covered

- Assets
- D-PNG Construction - Planning & contracting
- Safety in construction
- Construction execution
- Digital handover to O&M

Geographical areas & assets



Approximate numbers	
Network (km)	
Steel	570
Medium pressure	3500
PNG consumers (nos.)	
Domestic	22 lakh
Commercial	5,600
Industrial	660
CNG (nos.)	
Mother-cum retail ROs	44
Online ROs	248
DBS	230
CTV	350

DPNG target FY26-27 (nos.)	**21,78,570**
Network to be laid (km)	
Steel	51
MP	432

Construction planning

Network review on GIS – DPNG potential

- Charged: Immediate permissions, MP tappings for associated COs*
  Permission from societies: SR installation, LP laying in advance
- Uncharged: ensuring connectivity, gasification on priority
- PRS: high potential areas with space available for installation and CTV** movement
- Inclusion of erstwhile low priority, high potential cases
  (RI charges rationalization after 24 March'26)

Above plan ⇨ Marketing for immediate registrations

- Aggressive land hunting for DRS enroute steel network: PNG supply as well as looping with existing DRS to enhance supply reliability
- Prioritizing steel network laying as per identified DRS locations

* CO – Connection Object
**CTV – CNG Transport Vehicle

Construction planning - registrations

- Future plan of other areas given to Marketing in advance for pre-marketing

- Various schemes launched by Marketing to enhance registrations/penetration:
  - Khushiyan Lakhon Ki (scratch card) – online cases
  - Zero payment registration (small scale builders)
  - EMI based payment with no upfront registration charges
  - Certain quantity of gas free of charge

Construction planning – material

- Gas-carrying components - MGL's scope
- Use of MLC pipe instead of copper pipe – higher productivity
- Non-gas-carrying components – Contractor’s scope (meter brackets, warning tapes etc required in bulk quantities)
- Approved Vendor List (AVL) provided to contractors (inspection of GI and Wrought Steel Fittings through MGL appointed agency).
- Support provided by MGL – pushing manufacturers in case local stockists (non MGL scope items) face shortages

Construction contracting

- Different SORs - Fresh and Online conversion
- PMC or GI & LMC contracts depending on contractor's capability
- Area wise multiple contracts – parallel execution, progress despite few non-performing contractors

Special efforts in April'26 to cope with manpower shortage:

PE Laborers' shortage

- Onboarded contractors working for OFC laying, electric & water utilities (Excavation permissions nearly ended for such entities)
- Support provided for tools and tackles like electrofusion machine, technicians
- Incentive scheme for pipeline laying more than mutually agreed target

Plumbers' shortage

- Incentive scheme to enhance productivity – output slab-wise reward
- Visit to ITIs
- Visit to various cities where bulk plumber suppliers showed interest
- Social media campaign – call centre number for SPOC
- Additional resources deployed at call centre - repeat calls to plumbers
- Regular visits to nakas for freelance plumbers

Construction execution

Challenges

- Statutory permissions – mostly resolved
- High traffic corridors/narrow roads - Night-time execution in high-traffic corridors to improve productivity

- Steel/PE laying – local issues etc.
  Active support to contractors
  (involvement of influential prospective consumers/ other high level stakeholders)

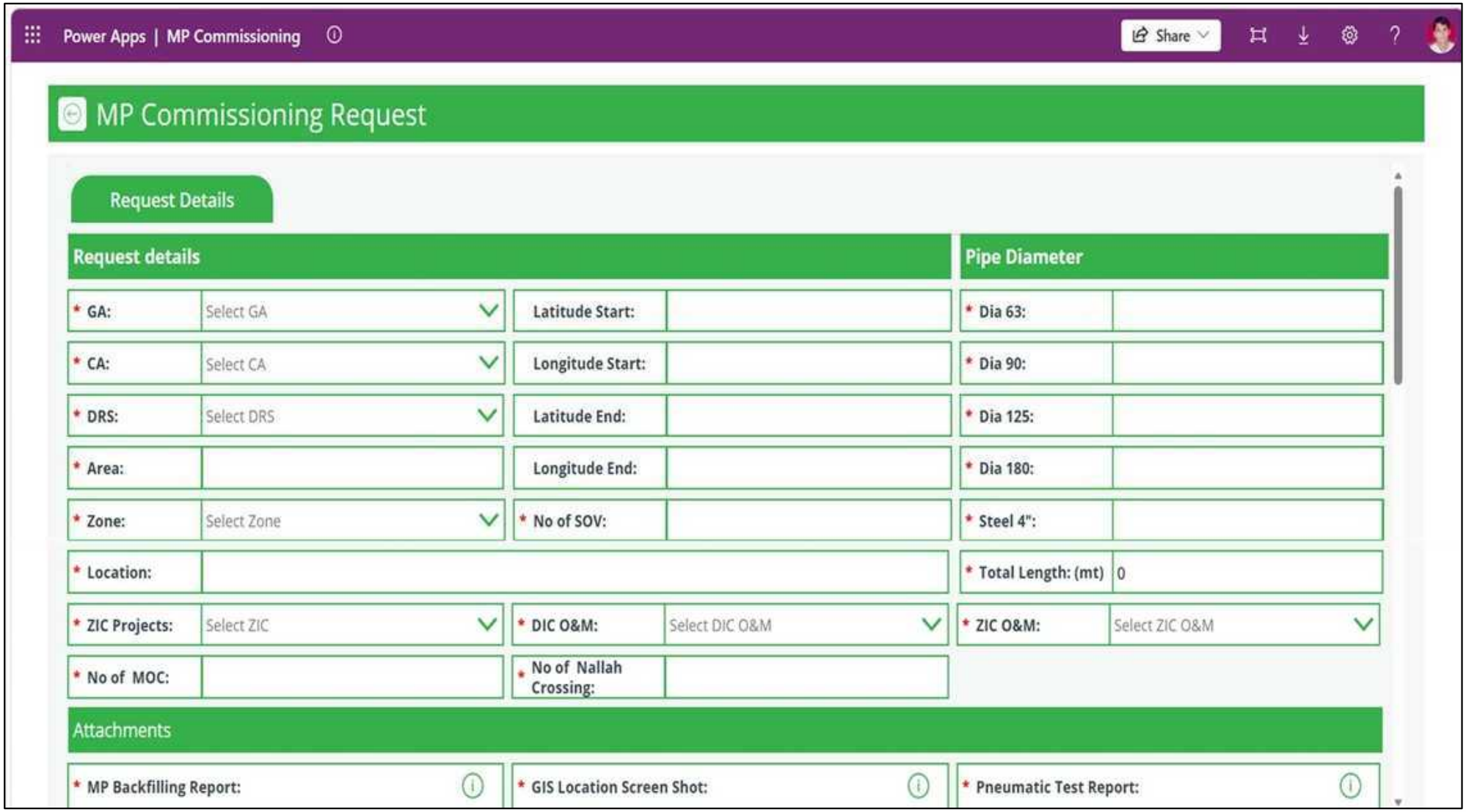
- Shortage of laborers –

  Coordination with mechanized excavation equipment OEMs (Customized equipment development for CGD requirement)

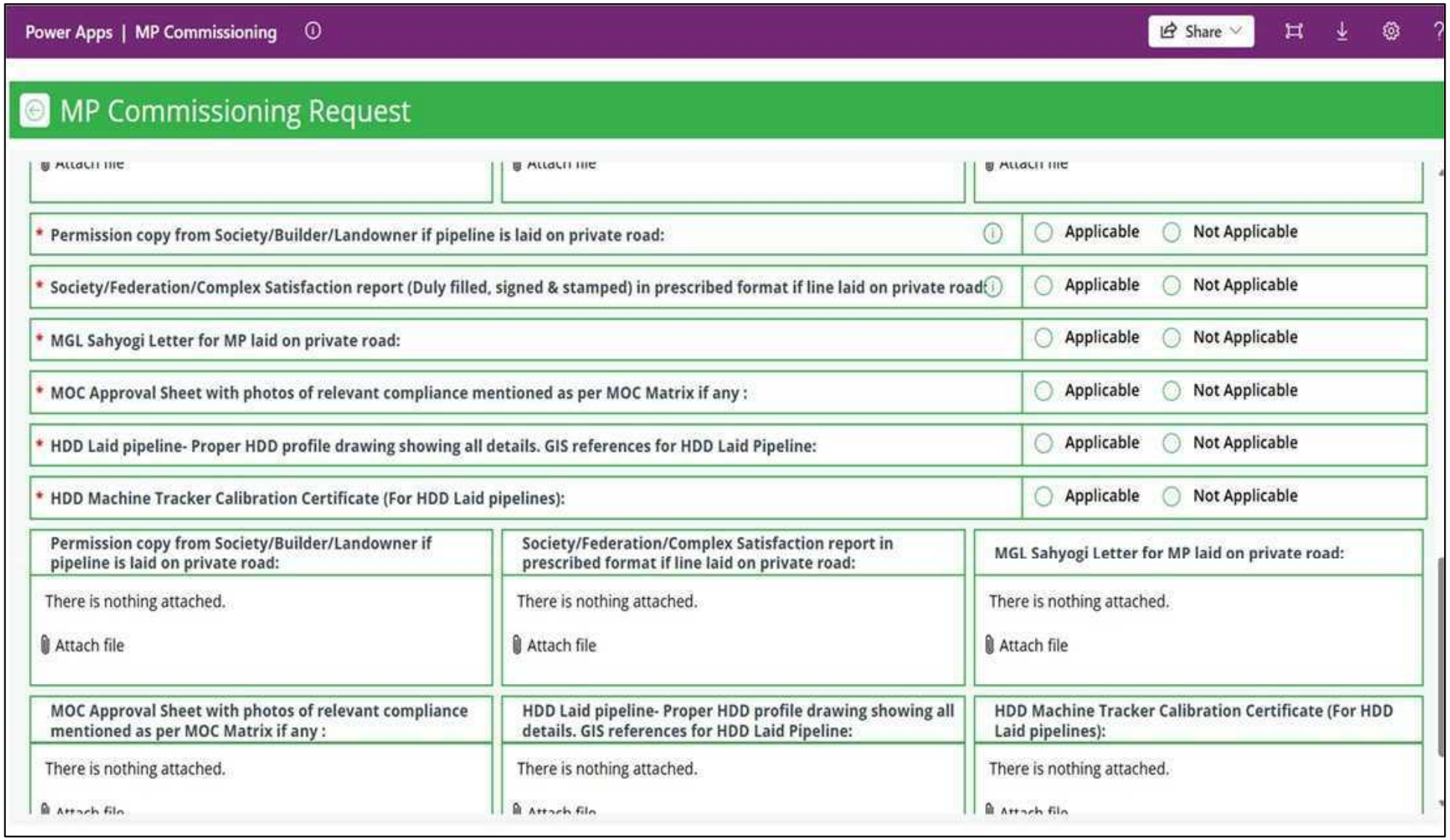
  NGS may play pivotal role
  Pan-India benefit

MP Commissioning App

(Agreed length limit - No need of Projects-O&M joint involvement)

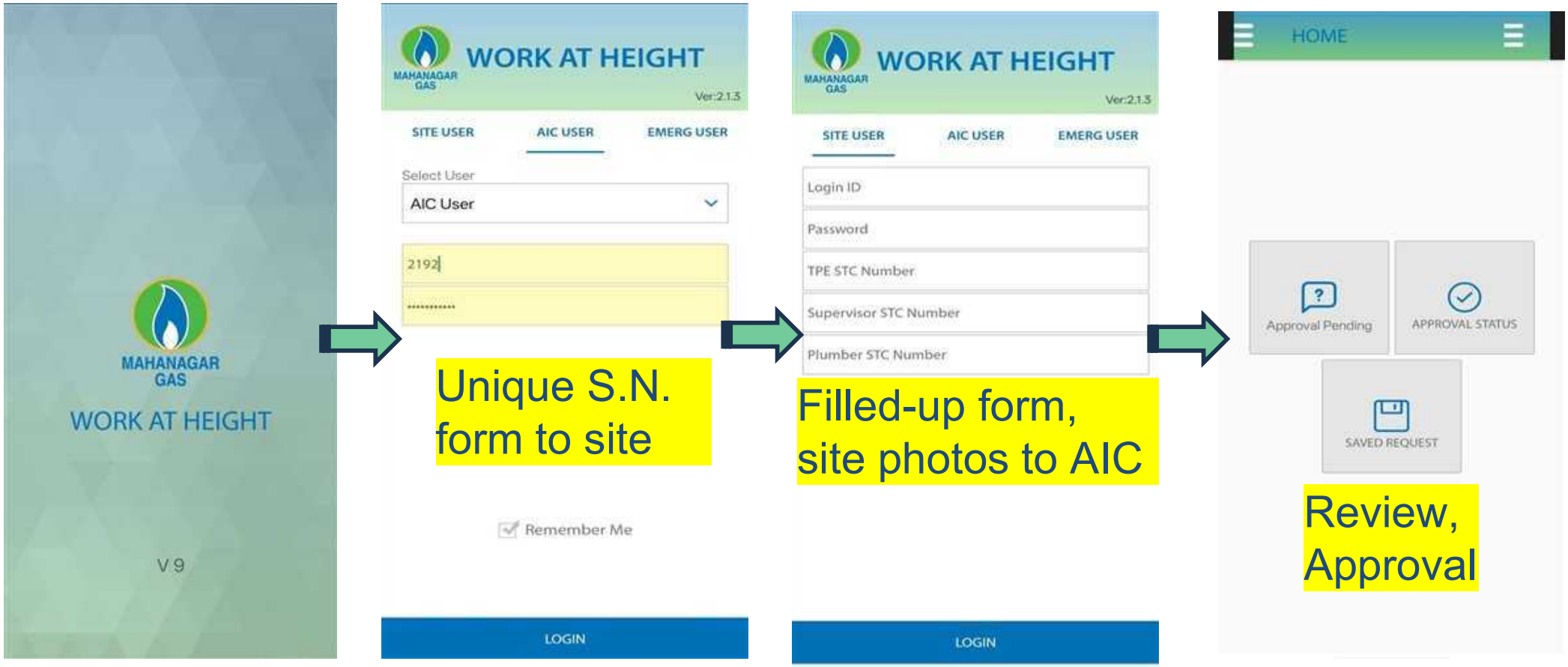


MP Commissioning App



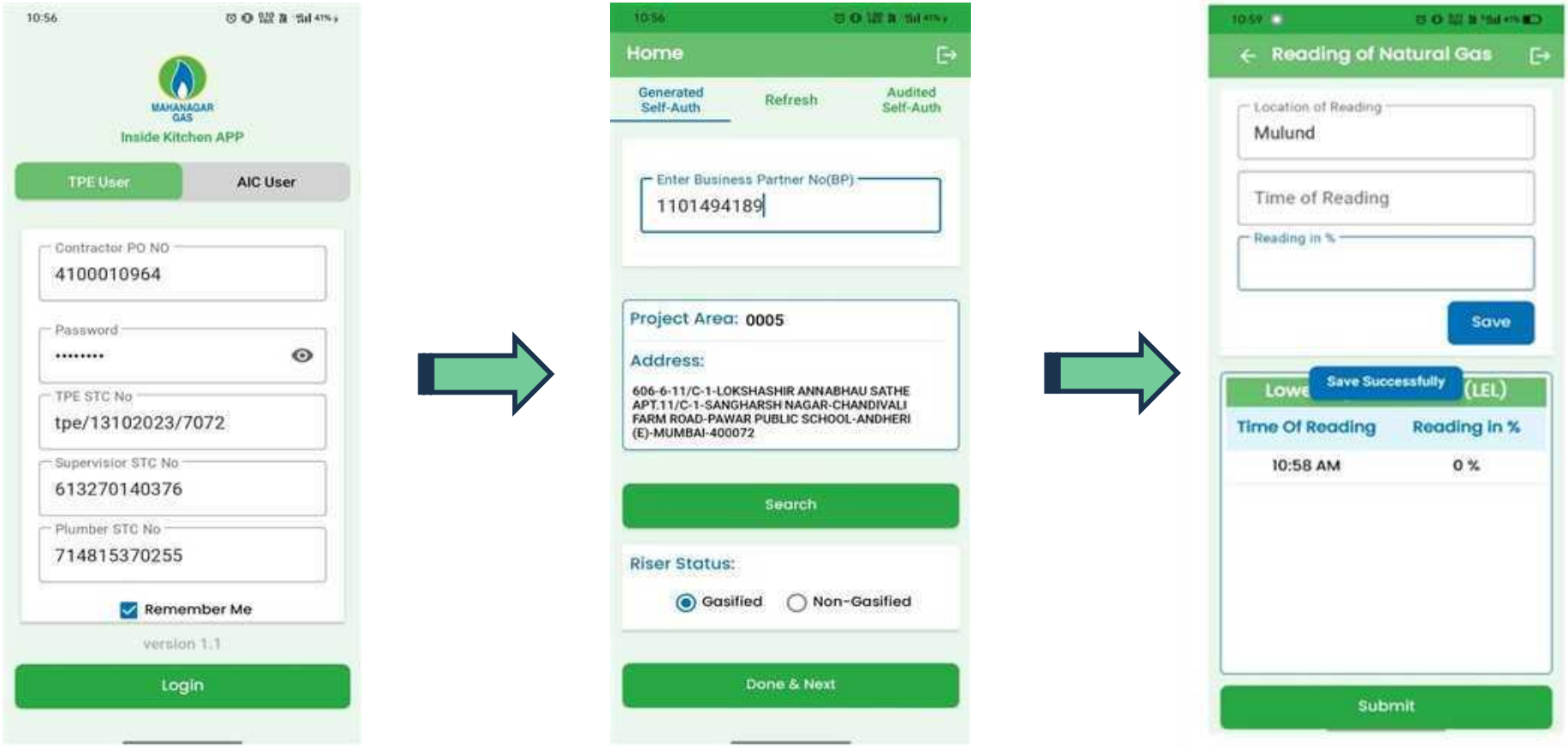
Safety in construction execution

Work at Height Permit



Safety in construction execution

Inside Kitchen App – Self authorization



Meter Job Card submission through hand-held gadget

LMC overall quality enhancement

- Quarterly rewards to LMC personnel (Supervisor, Plumber, Helper)
  - Best neat & clean installation
  - Best score: consumer customer feedback
  - Maximum nos. of response received from consumers

Digital handover to O&M

- Statutory permission documents: On-line repository
- MOC approval – on-line module; MOC no. mentioned on GIS
- Steel/PE network porting on GIS along with drawings
- MP commissioning app – all pre-commissioning documents in soft form
- SR looping details in GIS
- Consumer's master data, conversion details through SAP
- Gasified COs highlighted in green on GIS

Thank You...

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