



**Jal Jeevan Mission**

**Har Ghar Jal**

**TPIA**

**Issues & Challenges**

**Observed during ground truthing**

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## Best Practices observed in field

- ✓ TPIA staff is experienced
- ✓ Engineers in adequate number of appropriate stream
- ✓ TPIA engineers testing equipments / pipes etc at manufacturer's place as per approved QAP;
- ✓ TPIA engineers witnessing material testing at site i.e. fine & course aggregates, cement etc;
- ✓ Ensuring concrete mix at site as per approved design;
- ✓ Witnessing hidden items during execution such as reinforcement, earthwork etc
- ✓ Ensuring quality of water being used for concreting;

## Best Practices observed in field

- ✓ Witnessing concreting, slump test, cube formation.
- ✓ Witnessing cube testing for compressive strength of concrete;
- ✓ Frequently visit sites to supervise ongoing works;
- ✓ Ensuring execution to be as per approved designs/ drawings;
- ✓ Ensuring safety aspects at construction sites;
- ✓ Verifying bills within prescribed time limits;
- ✓ Ensures remedial action in case of defects/ poor quality;
- ✓ Ensure necessary documentation;

## Site visit photographs



Best Practices

## Site visit photographs



Best Practices

## Site visit photographs



**Tap connection through Flow control valves**

## Challenges and Issues observed in Field

- Ignoring tap connections passing through drains & vulnerable to contamination;
- Deployment of fresher independently;
- Deployment of Engineers of other streams;
- Deployment of inadequate number of technical staff;
- Changing of staff frequently;
- Poor coordination with department & Gram Panchayats;
- Visiting field only to verify measurements;
- Issue of certificates without verifying on ground.

## Challenges and Issues observed in Field

- Allowing poor workmanship in construction works;
- Allowing House Service connection without completion of source / Service reservoirs / transmission lines
- Allowing poor quality of work with observation and not monitoring ATR
- Not evaluating yield of source;
- Not much knowledge on new technologies;
- Allowing poor centring, shuttering & Scaffolding;
- Quality aspects are ignored;
- Necessary documentation missing;



## Site visit photographs



Poor sanitary conditions

## Site visit photographs



Open mouths at end of the day



Improper stacking

## Site visit photographs



Bamboo scaffolding



Poor concreting



Ordinary concrete mixer in use

## Site visit photographs



All above ground



Hanging electric meter etc



Household tap connections

## Site visit photographs



Pumps installed of different duty conditions in one delivery pipe & improper specials

Our sincere efforts can change the scenario



Women Feeling proud to have a functional water tap at home