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**Monitoring of Water Supply
(O/M) Maintenance Work**
Web and Mobile Based

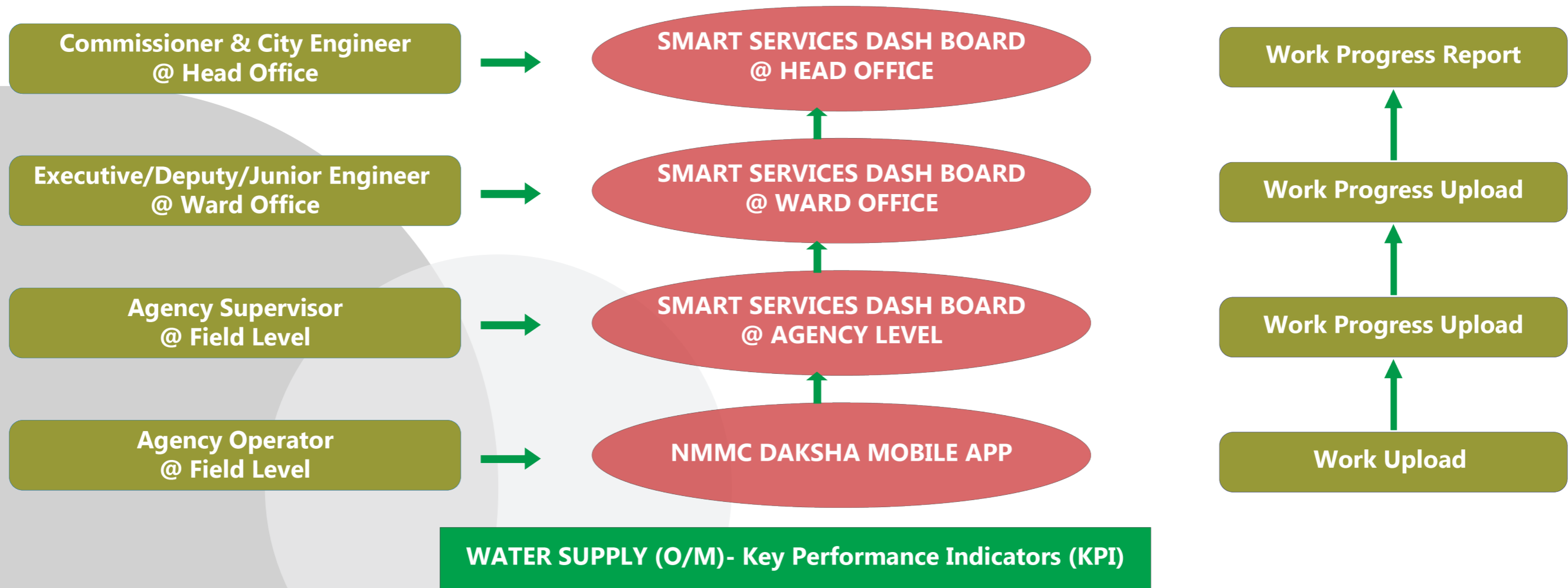
System Features

- Web and Mobile based application.
- Officials can define different Water Supply Maintenance and Preventive Maintenance KPIs with Bench mark and Penalty amount.
- Officials will assign daily basis maintenance works to the contractor through mobile app with Geo-tagged photo (Before work).
- The Contractor / agency will address the assigned work and upload the work completed photo through mobile app with auto Geo-tagged location.
- Application will find out the defaulter work list and execute and calculate the required penalty as per awarded tender to the contractor.
- Officials will monitor the number of assigned, completed, pending and defaulter works.
- Monitoring of Monthly basis contractor works Progress become easy.
- Work duplicity is avoided.
- Tracking of real work location (proposed & completed) through Google Map is become possible.
- Agency can monitor their daily basis work done by their supervisor.

Proposed User

Sr. No	Office	User Level
1.	NMMC	Commissioner
2.	NMMC	CE/EE
3.	NMMC	Deputy Engineer/JE
	Contractor	Contractor Head
	Contractor	Contractor Supervisor

NMMC SMART SERVICES APPLICATION for MONITORING WATER SUPPLY (O/M) WORKS



- Water Quality PH
- Water Quality Chlorine
- Water Quality Turbidity
- Water Pressure
- Security
- HouseKeeping
- Water Quantity
- Ecoli
- Illegal Connection
- Detecting illegal/unauthorized connections; Survey to be done daily
- Replacement of damage circuit breaker
- Replacemen of capacitor/installation of new capacitor to avoid panalty
- Repair maintainance and replacement of level indication and lightning conductor
- Replacement of transformer oil on yearly basis
- Repair of insulating material
- Rewinding/replacement of tranformer
- Replacement of damage pipe fitting and valve for suction and delivery pipe
- Replacement of pump impellers shaft,body, bearing ,shaft's coloumn pipe and other part etc
- Rewinding of motor
- Replacement of damage part of pumps
- Rnnual de-silting of public wells
- Extension/modifications to the distribution network.
- Improvement to civil structures.
- Operator shall do medical check up of his staff.

Water Supply and STP Maintenance Work – KPI with Bench Mark and Penalty

ID	Main Type	KPI Name	Penalty Bench Mark	Penalty Amount (Rs)
1.	Water Quality PH	Water Quality- PH- Collecting the water samples for various locations including GSR/ESR/HSR MBR, Consumer connections and taps etc. and submit it to the Laboratory for testing on daily basis and tested reports submitted to Engineer-in-charge time to time.	7.00-8.50 Per day/ DMA	1500.00
2.	Water Quality Chlorine	Water Quality- Chlorine-Collecting the water samples for various locations including GSR/ESR/HSR MBR, Consumer connections and taps etc. and submit it to the Laboratory for testing on daily basis and tested reports submitted to Engineer-in-charge time to time.	0.2 to 0.5 PM	500.00
3.	Water Quality Turbidity	Water Quality- Turbidity Collecting the water samples for various locations including GSR/ESR/HSR MBR, Consumer connections and taps etc. and submit it to the Laboratory for testing on daily basis and tested reports submitted to Engineer-in-charge time to time.	Less than 1.00 NTU	1500.00
4.	Water Pressure	Maintain 1.5 Kg/cm ² Pressure at consumer end in each ward of Navi Mumbai Municipal Corporation area.	1.5Kg /cm ² Pressure Daily	1000.00
5.	Security	CCTV arranged to cover entire premises.	For Each CCTV camera	1000.00
6.	House Keeping	Cleaning & disinfecting interiors of WTP / Pump House / MBR / feeder main from Morbhe Dam to Digha on Daily basis	for each case and for every day of delay	2500.00