Water, Sanitation & Hygiene (WASH)

in Government Schools & Ashramshalas
A Joint Effort in Maharashtra

Anand Ghodke

Program Officer, Mumbai
WASH – Water, Sanitation & Hygiene
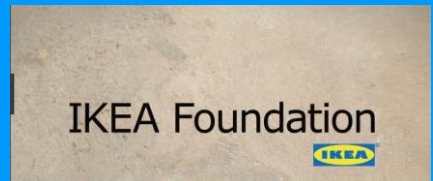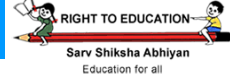
unicef

for every child

Poor sanitation and unsafe water kill 1.5 million children under five each year

Thank You **for Invitation**

Power of Idea

Partners

WASH TA in terms of Director Support, Colocation & Co-creation

Nandurbar
Dhule
Jalgaon
Nashik
Amravati
Akola
Buldana
Washim
Yavatmal
Nagpur
Bhandara
Gondiya
Wardha
Chandrapur
Gadchiroli
Palghar
Thane
Mumbai Suburban
Mumbai
Aurangabad
Jalna
Hingoli
Ahmadnagar
Parbhani
Nanded
Raigarh
Pune
Bid
Latur
Sindhudurg
Ratnagiri
Satara
Solapur
Sangli
Osmanabad
Kolhapur

MHM - 21
WinS - 18
Sustainability - 18
CDRR Pilot - 3
WASH in SNCU/NRC & Ashramshala - 20

SBM & DWSSP – 34 (WSSO & GSDA)
DWSSP - 10
Mumbai Sub-urban 18 Census Towns
Nutrition - 2

WASH TA in terms of Director Support, Colocation & Co-creation

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Mandate: **Sustainable Development Goals (SDGs)**
Goal 6 – WASH (6.1, 6.2, 6.3)

All About Standards and Continuity

How do we simplify:

Preamble : Cleanliness i.e. स्वच्छता

- A big call through **Swacch Bharat Mission** in 2014

- Largest ever **Political Commitment** in country

- **In Mission Mode** - home, institutions, communities

- **Girls/Adolescents at Centre stage**

- Call for each and every one (**one and all**)
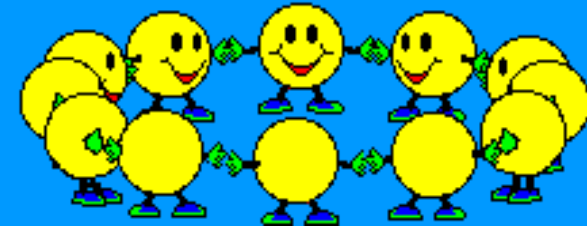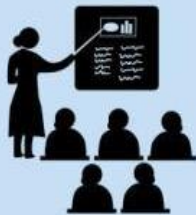
Scoring Matrix

SCORE	RATING	REMARKS
	Green/*****	
	Blue/****	
	Yellow/***	
	Orange/ **	
	Red / *	

Advocacy Effort

Key Government Stakeholders

Sector Players

Key Takeaways

- **Rapport** Building

- **Benchmarking** – Baseline - **Confidence**

- **Innovative designs** developed by 7 Districts - Dehed HWWS model

- **Demonstration** of WASH

- **Technical support** to Clubs, CSRs and Government

- **Leveraging** – within and outside Govt

- **Convergence** – only funds or cross learning

- **Written Instructions** – GR, Circulars

Key Takeaways

- **Rapport Building**

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Relevant Issues!

Availability, Access, Adequacy, Design

Functionality, Finance, Execution, Service Providers

Definitions – Qualitative Aspects

Adequacy Norms

Components	Details	Desired Norms
Component 1	a) **Gender segregated toilets** with handwashing point attached b) b) Girls toilets to include incinerators	**1 unit each for every 40 boys and girls**
	Water supply in each toilet blocks and urinal, for flushing	**At least one tap**
Component 2	**Group handwashing facilities with soaps**	**1 outlet for at least 10 Students**
Component 3	**Drinking water**	**At least 1 source inside the school premises**
Component 4	Operation and maintenance, consumables and repair of facilities per Year supply	**Regular**
Component 5	Behavior change initiatives in schools	**Regular**

Operation Cost (Based on UNICEF study in 6 districts: 2016)

School wise Average Annual Operation Cost

- Water and Electricity Bills
- Human resource to operate
- Consumables – soap, bleaching powder, cleaning material, etc.

| Category/ Cost Per student	Drinking Water Supply	Boys Toilets	Girls Toilets	Boys Urinals	Girls Urinals	HWWS + Soap	Average Total WASH Cost	Average No of Students as per DISE data	Average Cost Per School
UP+S+HS(KGB V)	13	3	6	4	6	23	47	444	20720
P+UP+S	9	8	7	8	7	23	60	354	21063
P+UP	19	15	15	15	15	23	101	176	17732
P	40	32	34	32	34	23	192	50	9575

Maintenance Cost (Based on UNICEF study in 6 districts: 2016)

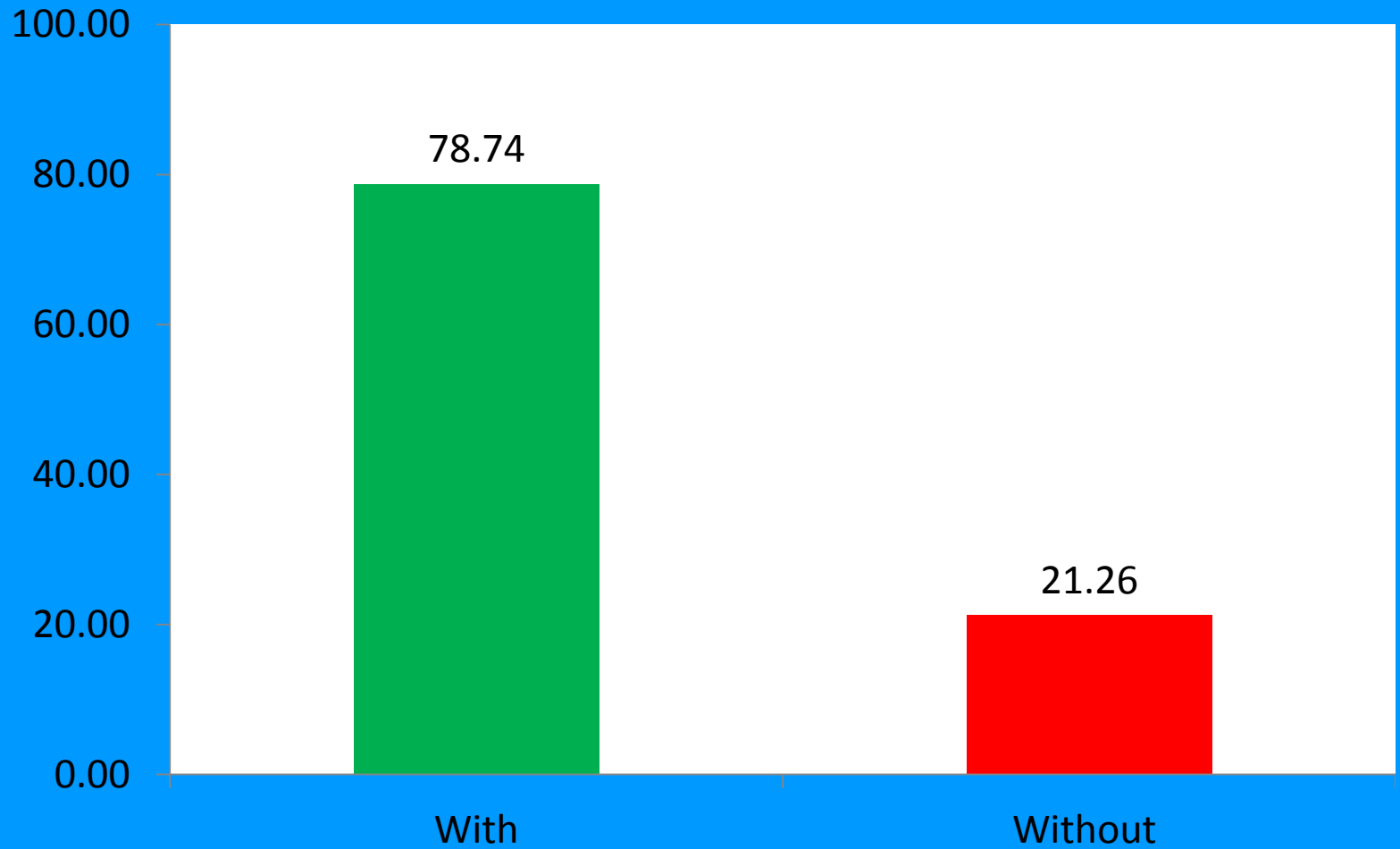## *School wise Average Annual Maintenance Cost*

- *Leakages in pipeline*
- *Emptying and cleaning of a drinking water tank*
- *Repairing or replacement of tiles of toilets or urinals*
- *Emptying of toilets pits*
- *Maintenance of soak pits, etc*

Category/Cost per student	Drinking Water Supply	Boys Toilets	Girls Toilets	Boys Urinals	Girls Urinals	HWWS + Soap	Average Total WASH Cost	Average No of Students as per DISE data	Average Cost Per School
UP+S+HS(K GBV)	6	1	4	0	10	11	27	444	11840
P+UP+S	4	5	8	7	12	9	38	354	13275
P+UP	8	8	10	13	18	15	66	176	11528
P	12	14	27	25	33	25	131	50	6525

Water Availability in Schools (2015-16)

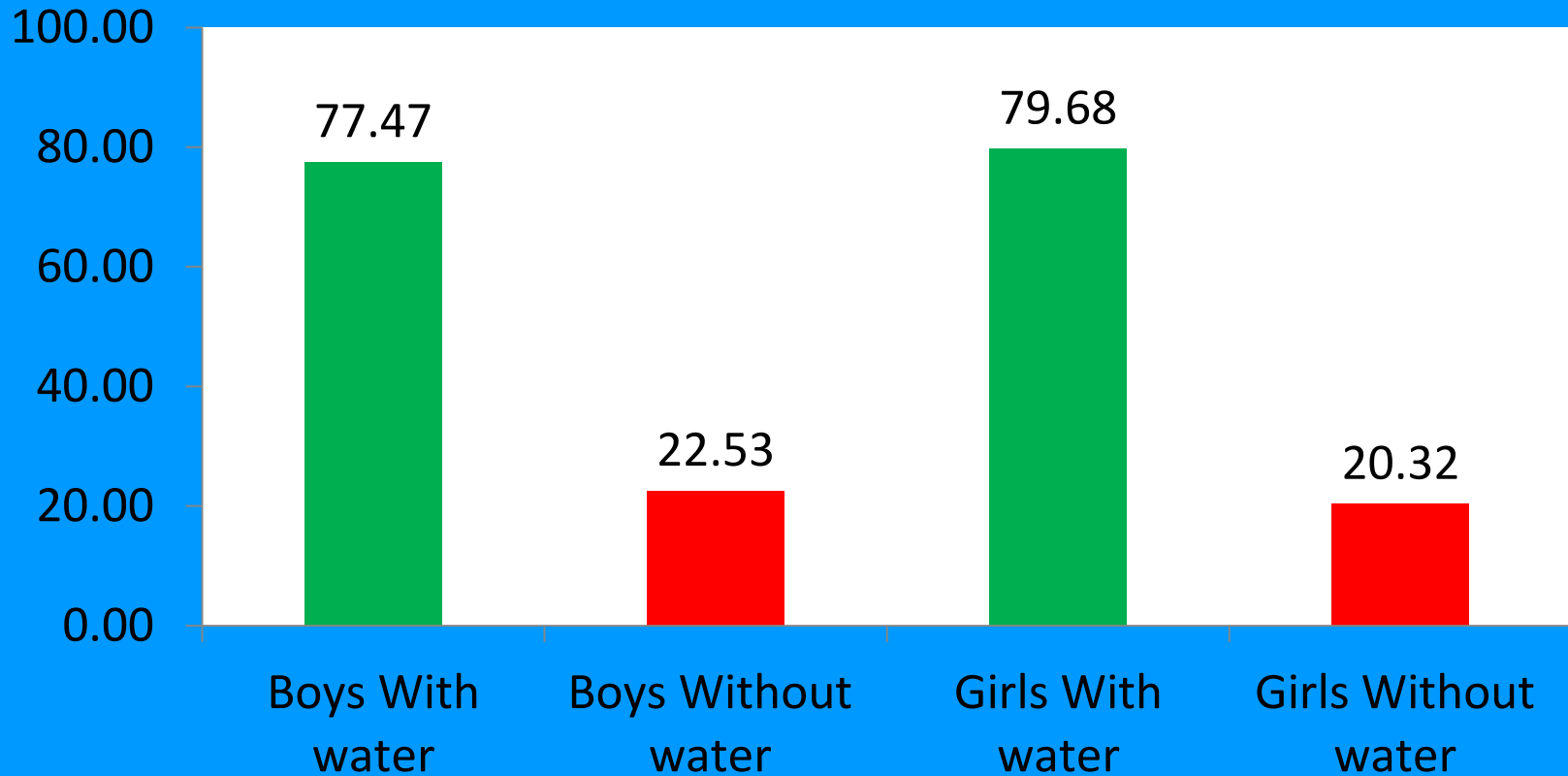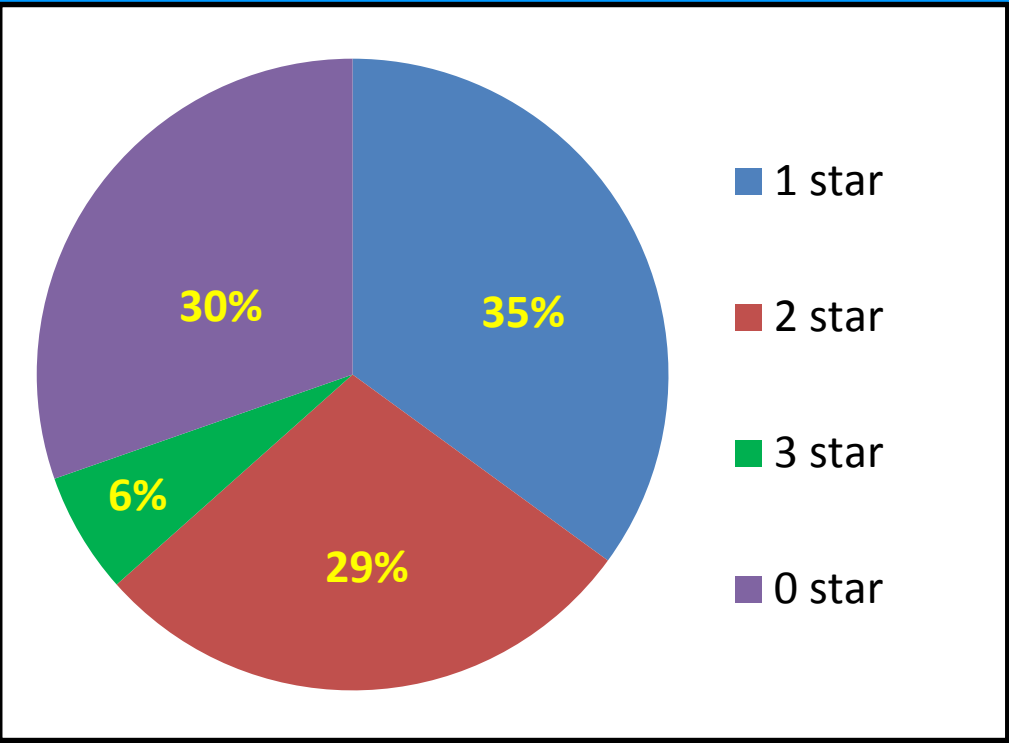| Category	Value
Tap water	50.41
Hand Pump	29.80
Well	2.57
Other	16.86
Not Available	0.36
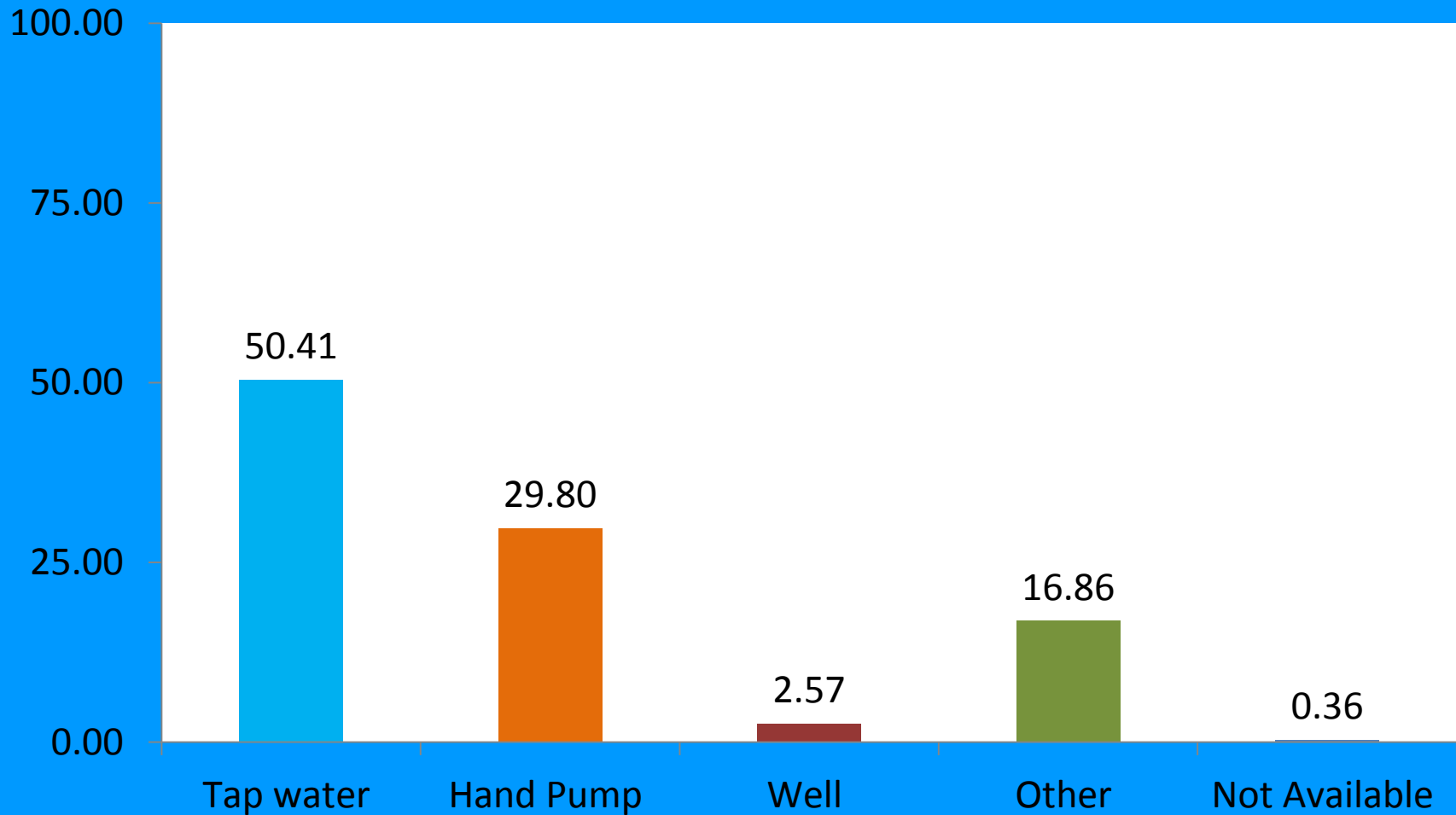
Handwashing Facility - **Definitions**

Water Availability in Boys and Girls Toilets

An Eye-Opener: Benchmarking Assessment

514 Ashramshalas
BM done by KRCs 3rd Party

Pie chart legend:
- 1 star
- 2 star
- 3 star
- 0 star

Pie chart values: 35% (1 star), 29% (2 star), 6% (3 star), 30% (0 star)

STAR		% Status	Remark
Zero star	0	30%	Score less than 10
1 star	*	35%	Score between 11 and 17
2 star	**	29%	Score between 18 and 25
3 star	***	6%	Score above 25

An Eye-Opener: Benchmarking Assessment
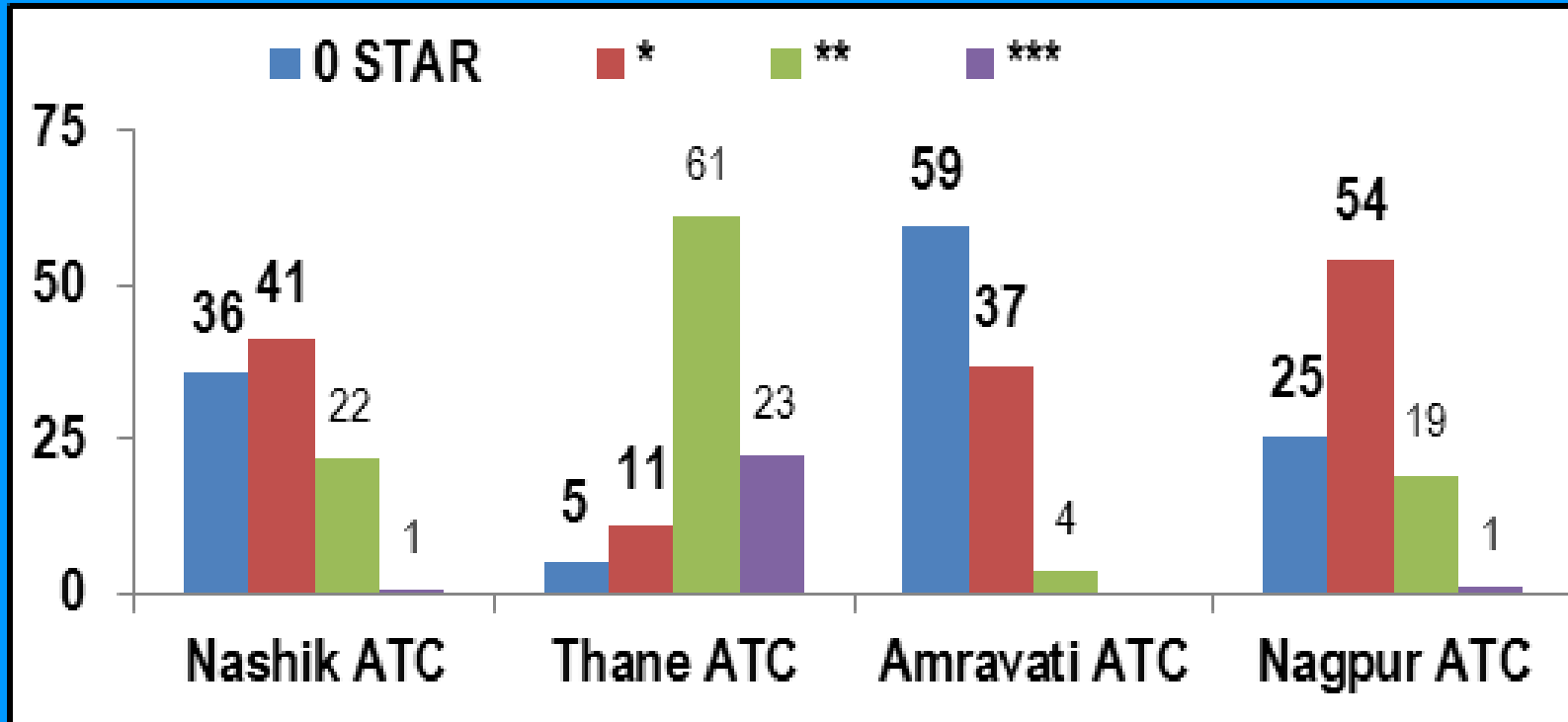
Progress – Schools with ED

Evidence – Need – Capacities – Action Planning – Institutional Support – Scaling Up

2013-15

2015-16
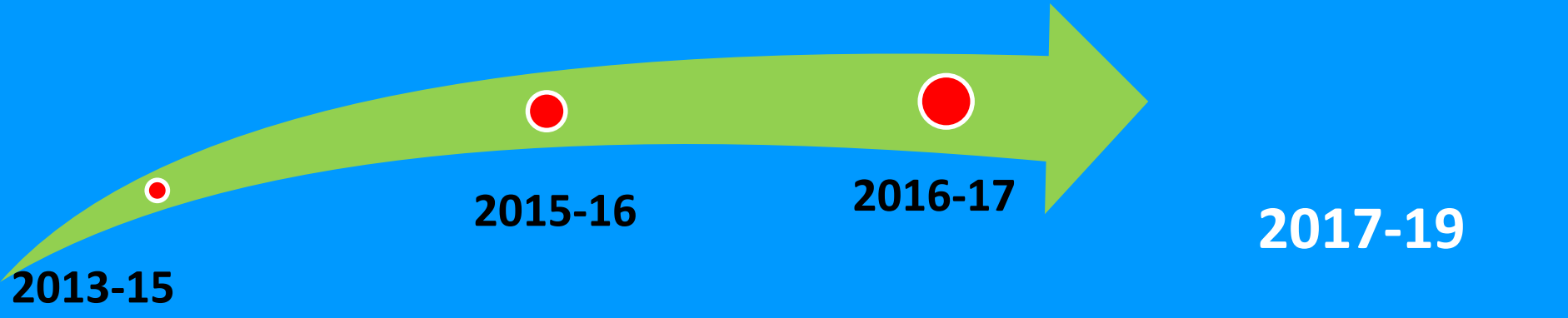
2016-17

2017-19

2013-15	2015-16	2016-17	2017-19
DHaAL	MHM Pilots	**GR on MHM**	**District wide approach**
Demonstration in 300 Schools	**Capacity Building of SSA Engineers**	**Innovations fund for Group HWWS Stations**	**MCGM Schools**
GR on Handwashing Module	Study on O & M Costs		**Composite Grant - MHRD**
Advocacy through various platforms			

unicef | for every child

Tribal Resiential Schools

2014-15

2015-16

2016-17

2017-19

2014-15	2015-16	2016-17	2017-19
GR WASH Annual Plan	**PO level Planning**	**KRC State Workshop**	Review Workshop
Joint Action Plan	WASH Pilots 3 AS	Action Plan 514 AS	**Networking e.g. NSE**
Benchmarking of AS	WSSD KRC GR	275(1) Proposal	WASH Scale up
		GSDA - Source Visits	**Budget Provisions**

Evidence – Need – Capacities – Action Planning – Institutional Support – Scaling Up

: Challenges (H-S/Ware)

- Reported in DISE data
  - Construction undertaken in TSC, more than 10 to 12 year old
  - Under SSA building fund toilets constructed
  - Water supply is a key, so functionality is must
  - **SBM-G does not cover INFRASTRUCTURE**
  - **Mobilization** is necessary from various sources viz ZP Cess fund, 14th finance commission grants, CSR etc. community contribution

- Operation and maintenance: **Need Attention**

Numbers!

Schools – 100,000

Ashramshalas (Tribal Residential Schools) – 500+
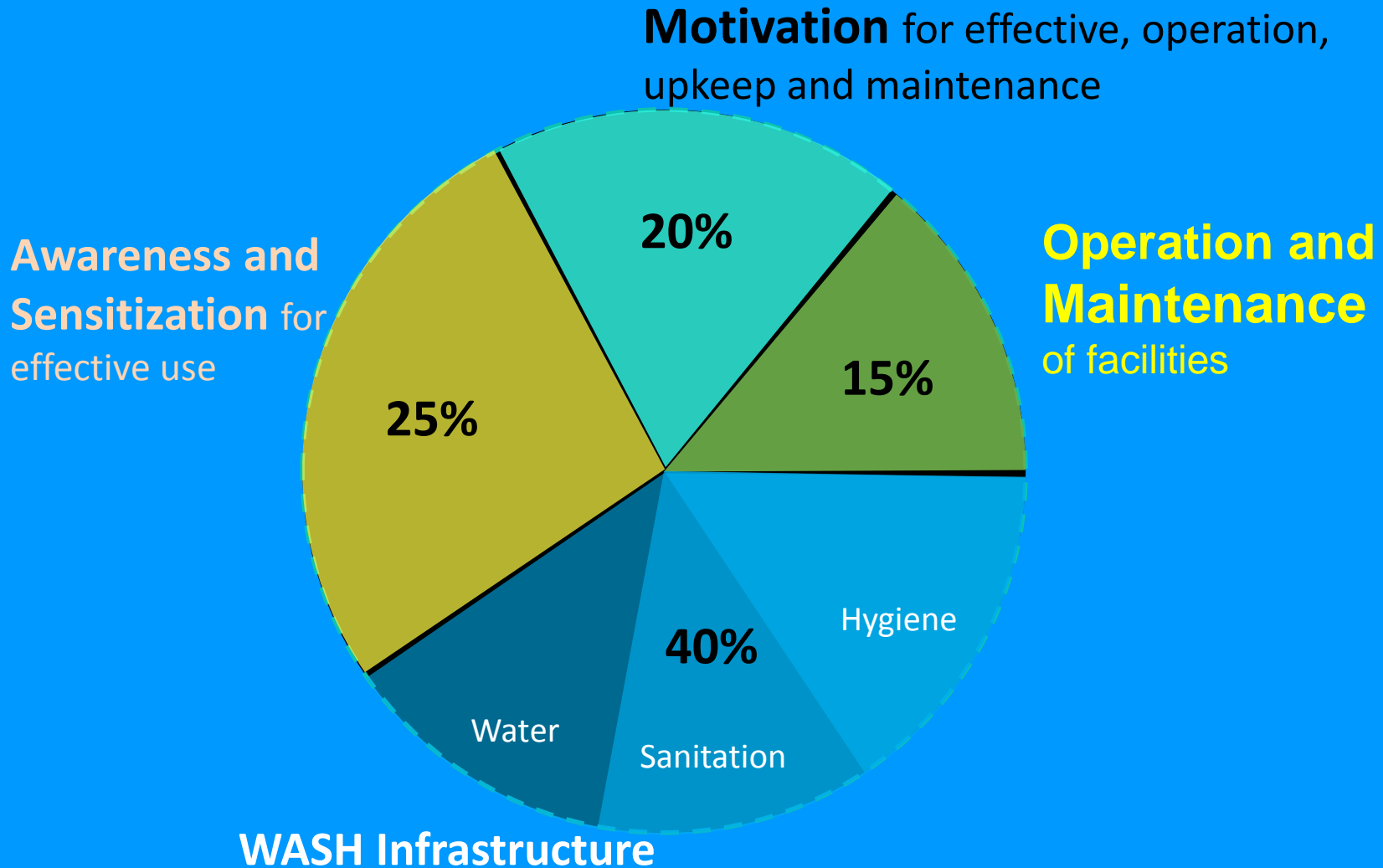
Poor WASH Practices (Ashramshala photos in 2015)

Water logging with no proper drainage

Lack of functional urinals; Boy urinating

One water point, Many students in queue

Poor waste management: Health hazard
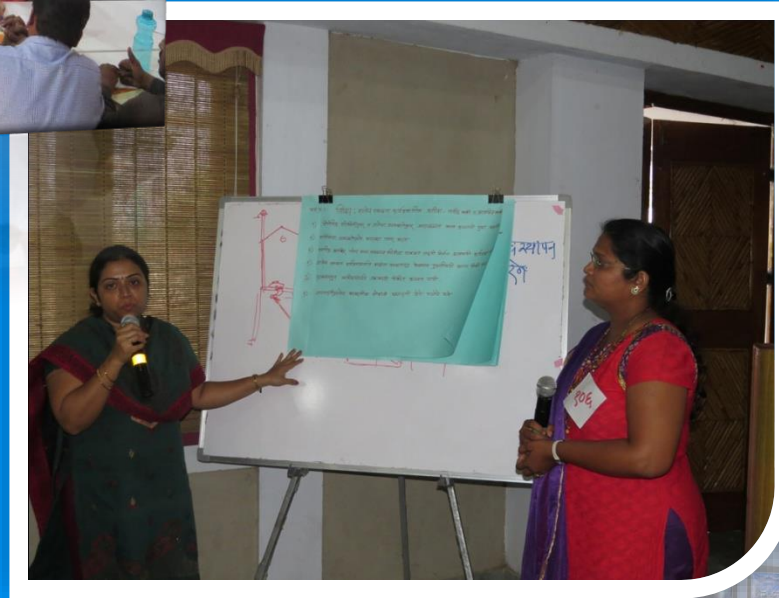
Dys-functional Urinal: buckets stored

Chocked up toilet due to lack of sanitation staff

No designated hand wash or plate wash station

State Level Training of SSA Engineers

225 Engineers (SSA) across Maharashtra were participated

Training of HMs by trained Engineers

Training organised at Kolhapur MNC

After training initiative taken by Engineers in scaling up WinS. Some of them organised training for HMs, some of them organised district and block level meetings of HMs/KPs. In all districts work got started. Nearly 2000 HMs and 200 KPs were facilitated.
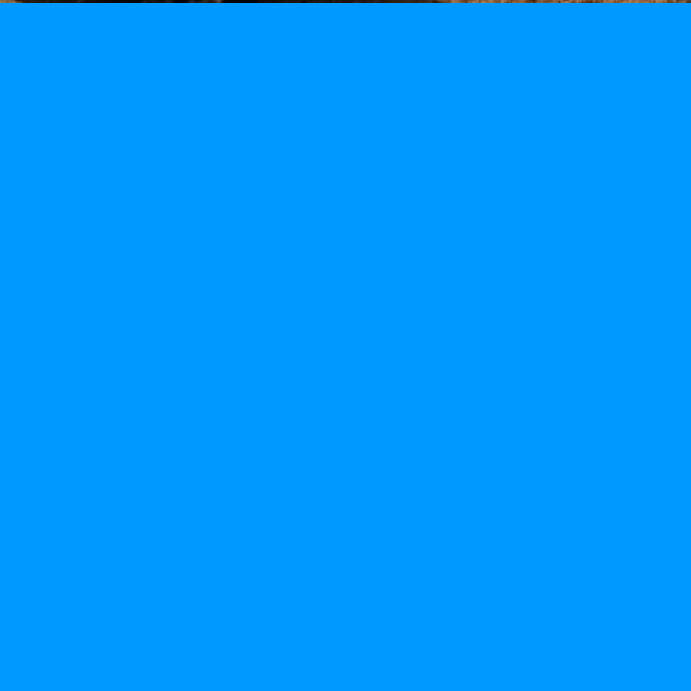
Messaging – Information

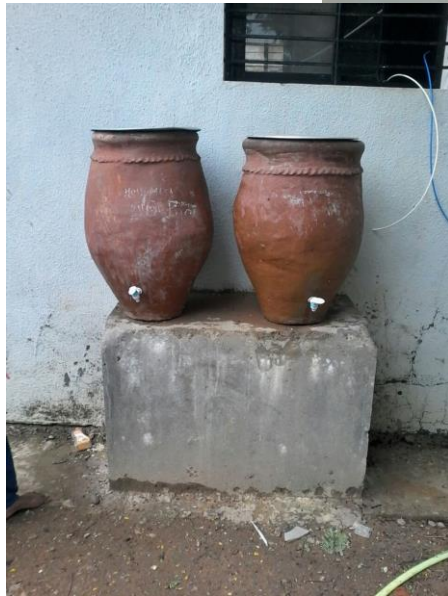# Demonstration WASH Ashramshala by UNICEF

Training

Water

Water tank with taps :AKOLA PO

Drinking water pot with tap connected to RO system and placed on raised platform: CHIMUR PO

Sanitation

Boys Urinal Repaired: Bhamragad PO

Girls Toilet Repaired with new toilet seats and flooring: Solapur PO

Thank You