

# Concept note on Proposed Workshop On Reduction in Water Foot Print of Urban Dweller of Pandharpur

Date – May – June 2018 at Pandharpur

**Increase Green Water FP**

**Integrated approaches for reduction in Water footprint**

**Reduction in Blue Water FP**

**Reduction in losses from Source to Tap**

**Reduction in Gray Water FP**

**Waste water Treatment Secondary to Quaternary**

**135** **90**

**Utility Water** **Gray Water**

**Conserve WATER**

**Water AWARENESS PROGRAM**

[www.waterfootprint.com](http://www.waterfootprint.com)

Organized by  
Indian Water Works Association Pune Centre  
In Association with  
Maharashtra Jeevan Pradhikarn  
SVRI College of Engineering  
The Institution of Engineers (India) Solapur Centre

After independence there is a shift of population from rural to urban area. After 1990 urban population of India is increasing beyond assimilative & supportive capacity of municipal authorities. The townships & residential complexes coming in & around fringe area are demanding water supply, sewerage system & sewage disposal. The local authorities are not in position to achieve adequacy. Water is most important input for survival & sustainable growth. As per National Building Code water demand for urban area is 135 LPCD. However the figure varies 135 to 250 LPCD. The way urbanization is growing the demand for water is going to rise. Very soon, Urban India's demand for water is expected to exceed the water available in current water sources. This ultimately puts limit to the growth of Urban area or invite the alternatives to bring water may be from 100 Km away. The inevitable outputs are problem of sewage collection & disposal, municipal Solid Waste Management etc. Urban people are accustomed to get water all the time from the Tap. Besides Drinking, cooking, washing & cleaning, water is required for car washing, air cooler, pet washing etc. The question is whether 135 LPCD includes these activities. Therefore to have water for sustainable development there is urgent need of reduction in Water Foot Print. Assigning the bench mark for water demand, optimum usage of water, reduction in water consumption, multiple use of water by reuse & recycling etc are must to reduce water consumption from 135 to 90 LPCD. The water saved will be available to serve more population & for irrigation.

Urban population was 17% in 1951. It had shot up to 31% by 2011. Demographers predict that by 2025, 42.5 percent of the country's population will be urban dwellers. Urban India continues to grow in a haphazard fashion without availability of basic amenities like water supply & sewerage system. There is need to consider water availability & sewage disposal before sanctioning the new township or residential complex by Local authority or Town planning department. There is a switch over from water store in drum to the flowing water from the taps provided in the urban houses. Water supply for urban area is from ground water, surface water. Agriculture & Industries also have their claim on these water resources. The water resources are annually recharged with rains. If the rains are scanty the water crisis began. Urban area where water demand exceeds water availability within their geographical boundary has to import water from distant place e.g. Solapur, Hyderabad & Bangalore. Increasing import of water for ever growing urbanization needs critical evaluation. In calculating total water demand for the defined boundaries of urban area water consumption for biotic life & evapo-transpiration is to be considered. Water also goes out of boundary as surface run off, evaporation, evapo-transpiration & moisture in farm produce & products exported out of the boundary. Total water Input & Output can be calculated for the given geographical boundary. If  $\text{Input} > \text{output}$  - System is comfortable,  $\text{Input} = \text{output}$  - System is manageable &  $\text{Input} < \text{output}$  - System is water deficient.

As per National Building Code water demand for urban dweller is 135 LPCD. It account for water required for drinking, cooking, cleaning (personal hygiene), bathing, washing (clothes & utensils), WC flush. Watering the plants, car and pet washing are additional requirement. Depending on the climatic condition water is also required in summer for Air Coolers. For residential complex water is required for swimming pool & irrigation of lawn and plant. Water demand is soon going to exceed water available in the designated resources for Urban Area. The Municipal authority is unable to cope up with growing demand of drinking water. In summer water supply reduces to one hour in a day to a day in a week. Residents have to search for ground water or Tanker water. Efforts can be made to reduce water consumption from 135 LPCD to 90 or less than 90 LPCD. This can be easily achieved by reduction in water consumption by using efficient water gadgets, elimination of leakages & multiple reuse of water. Activity that does not require Drinking water can be identified to replace it with non potable water e.g. use of Recycle water for WC flush. The direct use of rain water will increase Green water footprint & reduce Blue water footprint. Reuse & recycle will decrease Blue & gray water footprint. Therefore to have water for sustainable development there is urgent need of reduction in Water Foot Print.

**Pandharpur** is a well known pilgrimage town on the banks of Bhimā River in Solāpur district, Maharashtra. According to the 2011 census of India, Pandharpur had a population of **98,000**. Devotees visit Pandharpur throughout the year. June-July is attractive with a major festival of Yatra in Pandharpur. The most important dates for Pandharpur pilgrimage is on Aashadi Ekadashi (June- July) and Kartiki / Kartik Ekadashi (November). During these yatras or pilgrimage lakhs of people travel from miles together, barefooted, fasting and chanting His holy name until they get a glimpse of the Lord.

Pandharpur faces acute water shortage during summer. Therefore there is urgent need to manage the water demand within the available water supply. The Workshop is aimed to understand the water demand, reduction in water losses from Source to the tap, optimum usage of water, reduction in water consumption, direct use of rain water, multiple use of water by reuse & recycling etc. All alternatives will be discussed to have reduction of Water Footprint from 135 to 90 LPCD. This will enable

### **Sub Theme**

1. Input output analysis for Water
2. Water consumption in urban area facts & figures
3. Use of Green water by rain water harvesting
4. Reduction in water loss from source to tap.
5. Green Plumbing to reduce water Consumption
6. Reduction in Non-revenue water in water Distribution system
7. Multiple usage of Water
8. Segregation of gray & black water treatment & reuse
9. Natural Treatment Process for Sewage
10. Decentralization of Sewage Collection & treatment
11. Success case studies
12. Role of Local Authorities & Public to do the task.

### **Technical sessions**

Seminar will provide the Platform to share the Knowledge & experience to have approach and methodology. The delegates will be from Local authority, Planner for town planning, Non-Government & Semi Government organizations, Promoters & Developers, Technology provider, Consultant, Academician & representatives from Temple & Wari.

There will be an open forum on "How to reduce Water Foot print?"

Each session will begin with the Theme speech by the eminent person working in the field.

### **Proposed Program**

09.30	Inauguration
10.30	Technical Session 1 (Current issues of Water Management in Urban areas with reference to Pandharpur)
11.30	Technical Session 2 (Reduction by use Water Saving gadgets & leakage Control)
12.30	Technical session 3 (Reuse by multiple application of water)
13.30	Lunch
14.15	Technical session 4 (Appropriate Sewage Treatment Technology for Reuse & Recycling)
15.15	Health Break
15.30	Technical Session 5 (Use of Alternate sources of Water & Natural Waste Water Treatment)

16.30	Group Discussion
17.00	Group presentation & Valedictory Function
18.00	High Tea

### **Associate Organization**

- a. National Rural Drinking Water Program (NRDWP)
- b. State & Central Pollution Control Board
- c. The Ministry of Drinking Water and Sanitation
- d. Pandharpur Municipal Council
- e. Vitthal Rukmini Mandir Samiti
- f. Dharmshala, Bhaktaniwas & Hotles
- g. Institution & Colleges

### **Exhibition**

Exhibition of Green Plumbing, Water & Waste Water Treatment

### **Sponsors**

Public Health Engineering Department

Universities & Colleges

Industries Manufacturing the Products, Technology provider

**Minimum Expected Participants** 200 (Members & Non Members)

### **Proposed by**

**Er. Rajendrakumar V. Saraf**

**FIE, FIWWA,**

**Editor Journal of ndian Water Works Association**

**Convener – Environment Engineering Division**

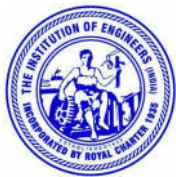
**Maharashtra State Center**

**The Institution of Engineers (India)**

**Er. R. V. Saraf will be available for necessary assistance & to get the Resource persons.**

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## REQUEST BY CENTRES FOR FINANCIAL GRANT FOR HOLDING TECHNICAL ACTIVITIES



For use by Headquarters (Programme code):

Divn. Board	Financial Year			Programme type	Programme No.		

Name of the Centre:		<b>Solapur Local Center, Solapur(Maharashtra)</b>	
Proposed Programme:		<b>One Day Workshop</b>	
Title of the Programme:		<b>"Integrated Approaches for Reduction in Water Footprint "</b>	
Under the aegis of which Divisional Board:		<b>Civil Engineering Division</b>	
Date:	<b>22 June 2018</b>	Venue:	<b>SVERI's College Of Engineering , Pandharpur</b>
Associate organization (if any):			
Grant requested from HQrs:		<b>Rs.10,000/-</b>	
<b>Title: " Integrated Approaches for Reduction in Water Footprint "</b>			
<b>Objective:</b>			
<ul style="list-style-type: none"> <li>To understand the importance of efficient use of water</li> <li>To demonstrate the developed technologies for optimal use of water</li> <li>To demonstrate the existing techniques to recycle and reuse the water</li> <li>To demonstrate the different approaches for reduction in water footprints</li> </ul>			
<b>Theme:</b> Pandharpur is a well known pilgrimage town on the banks of Bhima River in Solapur district, Maharashtra. According to the 2011 census of India, Pandharpur had a population of 98,000. Devotees visit Pandharpur throughout the year. June-July is attractive with a major festival of Yatra in Pandharpur. The most important dates for Pandharpur pilgrimage is on Aashadi Ekadashi (June- July) and Kartiki / Kartik Ekadashi (November). During these time, lakhs of people pilgrimage travel from miles together, barefooted, fasting and chantin holy name until they get a glimpse of the Lord. Pandharpur faces acute water shortage during summer. Therefore there is urgent need to manage the water demand within the available water supply. The Workshop is aimed to understand the water demand, reduction in water losses from Source to the tap, optimum usage of water, reduction in water consumption, direct use of rain water, multiple use of water by reuse & recycling etc. All alternatives will be discussed to have reduction of Water Footprint from 135 to 90 LPCD. The theme includes: Input output analysis for Water, Water consumption in urban area facts & figures, Use of Green water by rain water harvesting, Reduction in water loss from source to tap, Green Plumbing to reduce water Consumption, Reduction in Non-revenue water in water Distribution system, Multiple usage of Water, Segregation of gray & black water treatment & reuse, Natural Treatment Process for Sewage, Decentralization of Sewage Collection & treatment, Success case studies, Role of Local Authorities & Public to do the task.			
<b>For Use by Chairman, Division Board, Chairman, CATE and Headquarters:</b>			
Put-up to Chairman, Division Board on:		Comments of Chairman, Division Board received on:	
Comments of Chairman Div. Board:		Approved / Not Approved / To be Revised	
Suggested Revision (if any):			

**Proposals to be sent** (a) **9 months prior** to the proposed dates of National Convention, (b) **3 months prior** to the proposed dates of All India Seminar and (c) **1 month prior** to the proposed dates of One Day Workshop/Seminar.

**Grant available for** (a) **National Convention:**

No. of Divn. Board Members	Grant	
Less than 5	1.50 Lakhs	25% of grant will be released on receipt of information brochure. 50% will be released during the convention and 25% will be earmarked as Chairman's Discretionary Fund based on report, recommendation, photographs and Proceedings/Souvenir (hard or soft copy)
6 to 10	1.75 Lakhs	
11 to 15	2.00 Lakhs	
16 to 20	2.25 Lakhs	
More than 20	3.00 Lakhs	

(b) **All India Seminar/Workshop/Conference/National Conference:** Max. Rs.30,000/- [Rs.15,000/- after receiving of Information Brochure, remaining after receiving of report, recommendation, photographs and Proceedings/Souvenir (hard or soft copy)]

(c) **One Day Workshop/Seminar:** Rs.10,000/- [grant is released based on the report and photograph]

(d) **Workshop on Disaster Mitigation & National Building Code:** Rs.20,000/- [grant is released based on the report and photograph]

**REQUEST BY CENTRES FOR FINANCIAL GRANT FOR  
HOLDING TECHNICAL ACTIVITIES**

Put-up to Chairman, CATE on:		Comments of Chairman, CATE received on:	
Comments of Chairman, CATE:	Approved / Not Approved / To be Revised		
Suggested Revision (if any):			
Information to Centre about decision or to incorporate suggested revision (if any) on:			

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कार्यशाळा

पंढरपूर शहरातील नागरिकाचे जलपद चिन्हाची कपात करणे

तारीख २२ जून २०१८ सकाळी ९.३० ते दुपारी ४.३०

सभागृह श्री विठ्ठल एजुकेशन रिसर्च इन्स्टिट्यूट कालेज ऑफ इंजिनीरिंग, पंढरपूर

वेळ	कार्यक्रम	नाव	समन्वयक
९.३०	नोंदणी		सिवेरी
१०.००	उद्घाटन समारंभ		
	मान्यवराचे आगमन		
	कलश पूजन		
	अभंग गायन (वृक्षवल्ली आम्हा सोयरी)		
	मान्यवरांच्या सत्कार		
१०.१०	स्वागत आय ई आय सोलापूर व स्वेरी	डॉ बि पि रोंगे	
१०.२०	स्वागत आय डब्लू डब्लू ए पुणे व म जी प्रा पुणे विभाग	श्री सुखदेव गरांडे	
१०.३०	स्वागत श्री विठ्ठल रुक्मिणी मंदिर समिती	ह भ प शिवाजी मोरे	
१०.४०	कार्याशाळे विषयी	श्री राजेंद्रकुमार सराफ	
१०.५०	मनोगत प्रमुख पाहुणे		
११.०५	धन्यवाद		
११.१०	तांत्रिक सत्र - १		
	वक्त्याचा परिचय		
११.१५	शहरी नागरिकाचे जल पद चिन्ह व त्याची कपात	श्री राजेंद्रकुमार सराफ	
११.५५	प्रश्नोत्तरे		
१२.०५	नील पद चिन्ह कमी करणे. पाणी बचत करणारी उपकरणे व पाण्याच्या गळतीवर नियंत्रण, हरित प्लंबिंगने पाण्याची बचत, चित्रफित	श्री विध्याधर गोखले	
१२.३५	प्रश्नोत्तरे		
१३.०५	भोजन		
१३.४५	तांत्रिक सत्र - २		
१३.४५	राखाडी पद चिन्ह कमी करणे संडासा मधून निघणारे व इतर पाणी त्याचे अलगीकरण प्रक्रिया व पुनर्वापर	डॉ विनायक धूळप	
१४.१५	प्रश्नोत्तरे		

वेळ	कार्यक्रम	नाव	समन्वयक
१४.२०	तांत्रिक सत्र - ३		
	सांडपाण्या वर नैसर्गिक प्रक्रिया करून शुद्ध करणे	मृणाल मेश्राम	
१४.३५	हरित पद चिन्हात वाढ करणे पावसाच्या पाण्याचा वापर व पुनर्भरण	श्री राजेंद्रकुमार सराफ	
१५.०५	आरोग्य विराम / चहाचा ब्रेक		
१५.१५	गट चर्चा - पाण्याची बचत	श्री सराफ व इतर	
१५.४५	गट प्रमुखाचे सादरीकरण		
१६.२०	समारोप	ह भ प शिवाजी मोरे, डॉ बि पि रोंगे	





Shri Vitthal Education & Research Institute's  
**COLLEGE OF ENGINEERING, PANDHARPUR**

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Ref:- COEPR/2018-19/1640

Date:-22/6/2018

Date:-22/6/2018

### Thanks Letter

To,  
Mr. Sukhdev Garande,  
Chairman,  
Indian Water Works Association Pune

Respected Sir,

This is to express our sincere gratitude towards you for guiding our participants on 22<sup>nd</sup> June 2018, one day workshop "**Reduction in Water Foot Print of Urban Dweller of Pandharpur**". Your valuable thoughts will always keep our participants inspiring and motivated.

I request the same kind of co-operation in future also.

Thanking you,

Yours faithfully,

Dr. P. M. Pawar  
H.O.D. (Civil Engg.)



Shri Vithal Education & Research Institute's

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Ref.: COEPR/2018-19/1636

Date:- 22/6/2018

Date:-22/6/2018

### Thanks Letter

To,

Mr. Rajendrakumar Saraf,  
Editor Journal of Indian Water Works Association,  
Convener – Environment Engineering Division,  
Maharashtra State Center,  
The Institution of Engineers (India).

Respected Sir,

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Ref.: COEPR/2018-19/1637

Date:- 22/6/2018

Date:-22/6/2018

### Thanks Letter

To,  
Mr. Vinayak Dhulap,  
Professor of School of Earth Science,  
Solapur University.  
Respected Sir,

This is to express our sincere gratitude towards you for guiding our participants on 22<sup>nd</sup> June 2018, one day workshop "**Reduction in Water Foot Print of Urban Dweller of Pandharpur**". Your valuable thoughts will always keep our participants inspiring and motivated.

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Dr. P. M. Pawar  
H.O.D. (Civil Engg.)

Received by  
Dhulap  
22/6/2018





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**COLLEGE OF ENGINEERING, PANDHARPUR**

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Ref.: COEPA/2018-19/1639

Date:- 22/6/2018

Date:-22/6/2018

### Thanks Letter

To,  
Mr. Vidhyadhar Gokhale,  
Technical Faculty in NGO at Pune  
Location Pune, Maharashtra, India  
Industry

Respected Sir,

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H.O.D. (Civil Engg.)

Recd. Anshu



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Date: 22/6/2018

Ref.: COEP/P/2018-19/1638

Date:-22/6/2018

### Thanks Letter

To,  
Mr. Shivaji More,  
Member of Shree Vithal Rukmini,  
Temple committee, Pandharpur.

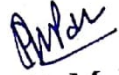
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H.O.D. (Civil Engg.)





Sr NO.	Name of Participant	Mobil. No	Address	Sign
33	L.B. Rawl	9637738869	COEP PW	
34	S.V. Jadhav	9269571857	COEP	
35	S.S. Kakade	9421033397	COEP	
36	A. Shrivani Kumar	7507640000	COEP	
37	C.C. Jadhav	8308689570	COEP	
38	S.S. Bansode	9673148155	COEP	
39	P.G. Gaikwad	7057596903	COEP	
40	A.B. Shinde	9503103806	COEP	
41	G.G. Chavan	9532534802	COEP	
42	S.J. Shinde	9665919095	COEP	
43	S.O. Kadam	9890902356	COEP	
44	Dr. S.T. Pawar	9970704035	COEP	
45	S.S. Korgale	7875949982	F.E.	
46	Anitha-charya	7507631000	EOEP	
47	Mrs. A.M. Lotake	9766230693	FE	
48	Mrs. S.S. Yadav	9657453716	COEP (Poly) <del>part</del>	
49	Mrs. Survase U.R.	9552980710	COE (POLY)	
50	Ms. Gaikwad A.P.	8412820526	COEP (Poly)	
51	I.D.V. Patil	8657026869	COEP (Degree) CSE	
52	I.S.S. Kadam	8698026390	COEP (Degree) ENTC	
53	I.N.S. Patil	8275266638	COEP (Degree) EATC	
54	I.S.D. Pujari	8600753875	COEP (Degree) EATC	
55	I.M.T. Cooski	7721087813	COEP (Degree) ENTC	
56	I. Kalyani V. Gidde	7249345543	COEP (Degree) ENTC	
57	I. Ankita Singh	8806642068	COEP (Degree) ENTC	
58	I. Mohua Biswas	7709650013	COEP (Degree) ENTC	
59	Dr. A.S. Vibhute	9881646499	---	
60	M.S. Mathur	9503019997	---	
61	A.A. Jadhav	9503103777	---	
62	H.K. Bhalekar	9096615501	---	
63	M.A. Deshmukh	9970277150	---	
64	J.S. Hallur	9975090344	---	







# COLLEGE OF ENGINEERING, PANDHARPUR

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Tel.:9503103892. E-mail: [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)  
(Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)  
Accredited by The Institution of Engineers (India), Kolkata  
ISO 9001:2008 Certified Institute



## CIVIL ENGINEERING DEPARTMENT

### WORKSHOP ATTENDANCE SHEET

#### Workshop on “Reduction of Water Footprints of Pandharpur City Dwellers”(22<sup>nd</sup> Jun 2018)

Resource Person: Mr. Vidyadhar Gokhale

Date:22/06/2018.....

Sr. No.	Name of Student	Sign
1.	Miss. Pooja B. Ronge	
2.	Parvati Murali B.	
3.	Zende Priya B.	
4.	Bhosale Kajal B.	
5.	Prajakta S. Waghmode	
6.	Pranita A. Kate.	
7.	Pooja P. Polas.	
8.	Priyadarshini R Shinde	
9.	Sadhana N. Shikhare	
10.	Prachi J. Sarvagod	
11.	Deshmukh Sushama M.	
12.	Bhise Kiron Kisan.	
13.	Dabihande Jyoti G.	
14.	Masal Aishwarya Nilkanth	
15.	Pujari Priyanka Tukaram	
16.	Pawas Murali Madhukar	
17.	Deshmukh sneha. S.	
18.	Teke madhuri kishor	
19.	Miss. Shradha R. Pooale.	



Sr. No.	Name of Student	Sign
20	Anjali Ganpat kumbhar	A.G.Kumbhar
21	Ashwini Arvind kamble	<del>A.Kamble</del>
22	Harshada P. Dhumal	H.P.Dhumal
23	Ankita A. chickmane	<del>Ankita A</del>
24	Gaikwad prashant Manik	<del>Prashant</del>
25	Honmane sagat Siddhewar	<del>Sagat</del>
26	patil prasanna Manikrao	<del>Prasanna</del>
27	Sawade Gaurav	<del>Gaurav</del>
28	Kadam sagat T.	<del>Sagat</del>
29	Thengal Abhijit D	<del>Abhijit</del>
30	Murari Moin L.	<del>Murari</del>
31	Gurudat Ramday Ganjiy	<del>Ramday</del>
32	Pujari Hanamant S	<del>Hanant</del>
33	Mule Arinash S	<del>Arinash</del>
34	Kangude Yogesh B	<del>Yogesh</del>
35	Kulkarni shubham R.	<del>Shubham</del>
36	Lengare Rohit Ramesh	<del>Rohit</del>
37	Gurav sanket smirung	<del>Sanket</del>
38	Wandre Anish Ramesh	<del>Anish</del>
39	Shouk salim shukri	<del>Shouk</del>
40	sawant shailesh S	<del>Shailesh</del>
41	Gore Krishna Doviday	<del>Krishna</del>
42	Sawade Akash R	<del>Akash</del>
43	Creekrad Kapil V	<del>Kapil</del>
44	Umate saurabh V	<del>Saurabh</del>
45	pawar swapnil J.	<del>Swapnil</del>
46	Bandgar shubham S.	<del>Shubham</del>
47	Gaikwad Pavan A.	<del>P.A.Gaikwad</del>
48	Pawar Saurabh B	<del>Saurabh</del>
49	waghmode Anand B.	<del>Anand</del>
50	Babar Ganesh S.	<del>Ganesh</del>
51	Kadam Shubham S.	<del>Shubham</del>

Sr. No.	Name of Student	Sign
52	Kadam Vitaj M.	<del>Kadam</del>
53	Shinde Ganesh Madan	<del>Shinde</del>
54	Soudagare Prasad Shivaji	<del>Prasad</del>
55	Tadhav Vaibhav Devidas	<del>V. Devidas</del>
56	Bhaskar Shekhar Vishnu	<del>Bhaskar</del>
57	Gawade Ajay Santosh	<del>Ajay</del>
58	Kadam - Sagar - T	<del>Sagar</del>
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### WORKSHOP ATTENDANCE SHEET

#### Workshop on “Reduction of Water Footprints of Pandharpur City Dwellers”(22<sup>nd</sup> Jun 2018)

Resource Person: Mr. Rajendrakumar Saraf

Date:22/06/2018.....

Sr. No.	Name of Student	Sign
1.	Miss. Pooja B. Ronge	<u>Pooja B. Ronge</u>
2.	Waghmode Pratikta S.	<u>W.S.</u>
3.	Zende Priya B.	<u>Zende P.B.</u>
4.	Bhasale Kajal B.	<u>Kajal</u>
5.	Parekar Mrunali B.	<u>M.Parekar</u>
6.	Pranita A. Kate.	<u>Kate P.</u>
7.	Pooja P. Polas.	<u>Polas P.</u>
8.	Priyadarshani R. shinde	<u>shinde P.</u>
9.	Sadhana N. Shikhare	<u>Shikhare</u>
10.	Prachi Jitendra Sarvagad	<u>Sarvagad</u>
11.	Deshmukh Sushama Mahadev	<u>Deshmukh S.</u>
12.	Bhise KIRAN KISAN.	<u>K.K.Bhise</u>
13.	Dahihande Jyoti G.	<u>Jyoti</u>
14.	Masal Aishwarya Nilkanth	<u>Aishwarya</u>
15.	Pujari Priyanka Tukaram	<u>Pujari P.T.</u>
16.	Pawar Mrunal Madhukas	<u>M.M.P.</u>
17.	Deshmukh sneha shivajirao	<u>Deshmukh S.</u>
18.	Teke madhuri kishor	<u>Teke M.</u>
19.	Miss. Shradha R. Pawale.	<u>Shradha</u>

Sr. No.	Name of Student	Sign
20	Anjali Ganpat kumbhar	A.G.Kumbhar
21	Ashwini Arvind kamble	Ashwini
22	Harshada P. Dhumal	H.P.Dhumal
23	Ankita A. chikmane	Chikane AA
24	Gaikwad Prashant Manik	Prashant
25	Honmane Sagar Siddheshwar	Sagar
26	Patil Prasad Manikrao	Prati
27	Kadam Sagar T.	Sagar
28	Sawale Gaurav	Gaurav
29	Thengal Abhijit D	Abhijit
30	Mulani Moin L.	Mulani
31	Gunder Ramday sanjay	Ramday
32	Pujan Manamant S	Pujan
33	mule Avinash J	Avinash
34	Kangude Yogesh B	Yogesh
35	Kulkarni Shubham R.	Shubham
36	Wengare Rohit Ramesh	Rohit
37	Gurav Sanket S.	Sanket
38	Landhe Avinash P.	Avinash
39	Shoaib Sahim Shaikh	Shoaib
40	Sawant Shailesh S	Shailesh
41	Gore Krishna Deviday	Gore
42	Sawale Akash R	Akash
43	Gaikwad Kapil V.	Kapil
44	Umate Saurabh U	Saurabh
45	Pawar Saurabh B	Saurabh
46	Pawar Swapnil J.	Swapnil
47	Bandgar Shubham S.	S.S.Bandgar
48	Gaikwad Pavan A.	P.A.Gaikwad
49	waghmode Anamika B	Anamika
50	Babar Ganesh S.	Ganesh
51	Kadam Shubham S.	Shubham



Sr. No.	Name of Student	Sign
52	Kadam Vijay M.	Kadam
53	Shinde Ganesh Madan	Shinde
54	Soudagar Prasad Shivaji	Prasad
55	Jadhav Vaibhav Deviday	VDTanky
56	Bhaski Shekhar Vishnu	Bhaski
57	Gawade Ajay Sande	Ajay
58	Kadam Sagar T.	Sagar
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