

ER Sheet Data Entry Form						
Name of Organization : CENTRAL WATER AND POWER RESEARCH STATION, PUNE						
Employee No. : E1139						
Service	CCS	Designation	Scientist B	Sub Cadre	Group A	
Joining Date : 24.10.1997						
Name Details						
Title	First Name	Middle Name	SurName		Initials	
Mr.	SUNIL	JANARDHANAN	PILLAI			PILLAI
Identity Card No. 1710/15						
Sex	Male / Female	Date Of Birth	22.9.1969	Date of Retirement	30.09.2029	
Community	Nair	Religion	Hindu			
Father's Name	Shri N J Pillai					
Birth Details						
Birth Place	Kottarakkara	Birth State/ UT	Kerala	Nationality	INDIAN	
Birth District	Kollam	Mother Tongue	Malayalam			
Domicile	Kerala	Physically Handicap Status	Not Applicable			
Blood Group	O ⁺	Identification Marks	Black mole on right side of neck			
Marital Details						
Marital Status	Married/Unmarried	Spouse Name	Jayalekshmy B.			
Spouse Nationality	INDIAN					
Joining Details						
Source of Recruitment	UPSC/CWPRS	Joining Date	24.10.1997	Retirement Date	30.09.2029	
Departmental Examination Details (If applicable)						
	Level	Year	Rank			
1						
2						
3						

Remarks (if any)				
Languages known				
	Name of Language	Read	Write	Speak
Indian Languages Known	1 Hindi	Yes	Yes	Yes
	2 English	Yes	Yes	Yes
	3 Malayalam	Yes	Yes	Yes
	4 Marathi	Yes	No	Yes
	5 Sanskrit	Yes	Yes	No
	6 Tamil	Yes	No	No
Foreign Languages Known				
	1			
	2			
	3			

Details of deputation (if applicable): Not Applicable

Name of the Office	Post held at that time in parent office	Name of post (selected for deputation)	Period of deputation	
			Since	From

Details of Foreign Visit: Not Applicable

Sl. No.	Place of Visit	Date of visit	Post held at that time	Whether it is a personal or official visit	Details of visit

Transfer/Posting Detail (if applicable)

Place	Period of posting	
	Since	From
Military Engineer Services, CE (Navy) Kochi, Kochi, Kerala.	28/08/1992	21/10/1997

Qualification (Use extra photocopy sheets for multi qualifications, experience, training, awards details)

Qualification	Discipline	Specialization 1
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1. B. Tech		Civil Engineering		Advanced Structural Design	
Year		Division		Specialization 2	
1991		First Class Honours		Concrete Technology	
Institution		University		Country	
Govt. Engineering College, Thrissur		Calicut University		India	
Experience					
Type of Posting			Level		
Permanent			Group B Non Gazetted		
Designation			Present Position		
Research Assistant (Engg.)			Scientist B (Group A) , Gazetted		
Ministry			Department		
Water Resources, River Development and Ganga Rejuvenation			Central Water and Power Research Station		
Office			Place		
Concrete Technology			Pune, Maharashtra		
Experience Subject			Period of Posting		
Major		Minor		From	To
Contract Management (MES, Kochi)		Quantity Survey, Tendering and Contractual Procedure, Arbitration etc.		28/08/1992	21/10/1997
Concrete Technology, Rehabilitation of Hydraulic Structures & Testing of construction materials (CW&PRS, Pune)		Thermal & Creep Properties of Concrete		24/10/1997	Till date
<i>Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject (minimum 1 week & above)</i>					
Training					
Training Year		Training Name		Training Subject	
2011		Two weeks Training Programme in application of FEA for Water Resources		Application of Finite Element Analysis for Water Resources	
Level		Institute Name, Place		Field Visit Country	Field Visit Place (within India)
A.R.O. Group B Gazetted		National Water Academy, Pune-24.		Nil	Pune
Sponsoring Authority		Period of Training		Duration	Result
		From	To	(in Weeks)	✓
Government of India		18/07/2011	29/07/2011	Two	Not Qualified
Awards/Publications: Annexure I attached					
Type of Activity:			Academic		Non Academic
Activity Area		Activity Subject		Activity Title	
Day	Month	Year	Activity Description/Remarks		Level

Note: (i) Concerned CCS Officer is responsible for the correctness of information sent through ER Sheet proforma.

(ii) Subject to verification by the concerned administrative authorities.

Date : 25/06/2015

Place : Khadakwasla, Pune - 24.

Information checked and verified - by

Signature of Officer

Section Officer		Ministry/ Department			
E-mail id		Room NO.		Building Name:	
Phone NO.		Wing No.			

PUBLICATIONS

Annexure I

I. No. of Technical Reports Submitted to Clients : 55

Nature of Studies	Name of Projects/Dams
1. Determination of physical properties and Temperature Control Studies on Mass Concrete towards construction and strengthening of gravity Dams.	Indira Sagar, Omkareshwar, Godavari Barrages, Ghatghar, Nilwande , Bham , Koyna Dams etc.
2. Identification of suitable repair material, devising repair methodology and monitoring execution towards re[par and rehabilitation of distressed hydraulic structures.	Koyna, Hirakud, Almatti, Anjunem, Salauli, Barna, Bansagar, Ichari, Dimbhe Dam, Krishnarajasagar Shivsagar Dams, Power Houses of Upper Indravati and Rourkela Steel Plant, Tillari Aqueduct and repair materials of M/s Perma Chemicals and M/s Dimple Chemicals
3. Assessment of quality of Masonry/ Concrete in Gravity Dams.	Kolkewadi, Tarali, Bhandardhara, Darna Kushalpura, Dehali Dams & Godavari Barrages.
4. Physical inspection of distressed hydraulic structures.	Warna and Pathazhakundu Dams, Weir of Koothuhole Reservoir, Sirsa and Manakpur Aqueducts.

II. No. of Technical Papers Published – 14 Nos.

Published in International /National Journals

1. Desai V T, Patil A V, Pillai S J and Sathe A K., "Estimation of Temperature Rise in Mass Concrete Placed in Lifts Using Computer Program," published in National Journal of New Building Material & Construction World (NBM&CW) Dec. 2003, (pp 42-45).
2. Dhawan R.K.(Dr), Patil A.V., Pillai S.J., " Determination of strength parameters of a Masonry Dam by flat jack Method " published in Indian Geotechnical Journal, April – 2011, Vol 41(2), pp- 100-107.
3. Desai V T, Patil A V and Pillai S J, 'Repairs of damage in the Baffle Blocks of Salauli Dam using PICC Material', by International Journal of Dam Engineering, 2015 , Vol. XXV, Issue 1 (pp 37-51).

Published in proceedings of International /National Seminars & Conferences

4. 'Review of Contemporary epoxy systems-CWPRS experiences.', by A K Sathe, V T Desai, A V Patil , S J Pillai & I Azaraiah , A national seminar on " Polymers and Epoxies for Civil Engineering structures" on 27-28th July 2000, Pune, Maharashtra organised in association with C.W.P.R.S., Pune & Indian Concrete Institute, Pune Centre.

5. 'Epoxy application and case studies', by I Azaraiah, A K Sathe, V T Desai, A V Patil , S J Pillai, A national seminar on " Polymers and Epoxies for Civil Engineering structures" on 27-28th July 2000, Pune, Maharashtra organised in association with C.W.P.R.S., Pune & Indian Concrete Institute , Pune Centre.
6. 'Studies on Roller Compacted Concrete Mixes – Ghatghar Pumped Storage Scheme, Maharashtra'. By Desai V T., Sathe, A K, Patil A V and Pillai S J "Proc. International conference on Accelerated Construction of Hydropower Project", CBIP 15-17, October, 2003, Gedu, Bhutan. (pp VI 29 – VI 38).
7. 'Selection of Application of Epoxy Compounds in Rehabilitation of Hydraulic Structures'. By Sathe A K, Desai V T., Patil A V and Pillai S J, Proc. National Conference on Hydraulics and Water Resources, Hydro 2003, CWPRS, Pune, December, 2003. (pp 421-428).
8. 'Numerical Technique for prediction of temperatures in Mass Concrete Dam', by Desai V T, Sathe A K, Patil A V and Pillai S J, Conference on Large Dams & Hydropower Development, 26th-28th May 2004, New Delhi.
9. 'Strengthening of Scrolls Cases/Spiral Casing and Draft Tubes of Hydro Power Projects – Case Studies', by Desai V T, Sathe A K, Patil A V and Pillai S J, (2005) 'Proc. National Conference on Recent Trends in Geotechnology, Pune Chapter, Indian Geotechnical Society, 12-13 February 2005, Pune University, Pune, Theme V, Paper No. 50.
10. 'Thermal Analysis of Upper Dam – Ghatghar Pumped Storage Scheme' by Desai V T, Sathe A K, Patil A V , Pillai S J & Shirke J M , (2006), Geotechnical Engineering – Indian Experience, Indian Geotechnical Conference 2006, Chennai, India, Dec. 2006, pp 707-708.
11. Sathe A K, Desai V T, Patil A V, Pillai S J & Shirke J M, (2007) "Rehabilitation of Hydraulic Structures – Case Studies", 6th International R & D Conference on Sustainable Development of Water & Energy Resources- Needs & Challenges, Lucknow, India, 13th -16th Feb. 2007, pp 480-492.
12. Sathe A K, Desai V T, Patil A V & Pillai S J, (2008) "A New Method for Determining Suitability of Elastomeric Sealants", National Conference on Emerging Technologies in Civil Engineering (NCETCE-2008) held at PDVVP College of Engineering, Ahmednagar, Maharashtra, 28-29 Feb.2008, pp 61-68.
13. Desai V T, Patil A V & Pillai S J, (2010) "Cooling requirements of mass concrete for strengthening concrete dam- a study relating to overflow section of Koyna dam." National Conference on Civil Engineering for Infrastructural Developments (CID – 2010) to be held at D.Y.Patil College of Engineering, Pune Akurdi, Pune during 30 – 31st August 2010. (pp 55-60)
14. Patil A V, S J Pillai, R Vigneswaran, K Balachandran, S D Pingale and Rizwan Ali, "Repair of Damages in Distressed Masonry Dams - A Case Study", "First National Dam Safety Conference" jointly organized by CWC, Tamilnadu WRD and IIT Chennai held in IIT Chennai on 24th & 25th March, 2015.

III. Lecture's delivered and published in proceedings of Seminars / Conferences/ Training Courses etc. – 8 Nos.

IV.

1. Presented paper on “Strengthening of Scrolls Cases/Spiral Casing and Draft Tubes of Hydro Power Projects – Case Studies”, authored by Shri Desai V T, Sathe A K, Patil A V and Pillai S J, (2005) `Proc. National Conference on Recent Trends in Geotechnology, Pune Chapter, Indian Geotechnical Society, 12-13 February 2005, Pune University, Pune, Theme V, Paper No. 50.
2. Presented paper on “Rehabilitation of Hydraulic Structures – Case Studies”, authored by Shri. Sathe A K, Desai V T, Patil A V, Pillai S J & Shirke J M, (2007) 6th International R & D Conference on Sustainable Development of Water & Energy Resources- Needs & Challenges, Lucknow, India, 13th -16th Feb. 2007.
3. Delivered lecture on 07/02/2013 on ““Strengthening of energy dissipating appurtenances of dams” Dam safety and rehabilitation’ 5th-7th Feb. 2013 at CWPRS, Pune.
4. Delivered lecture on 19/09/2013 on “Strengthening of energy dissipating appurtenances of dams” for the Training Course on Dam Safety & Rehabilitation conducted for Ghana Engineers in association with WAPCOS at CWPRS, Pune during 17-19 Sept. 2013.
5. Delivered lecture on 23/02/2014 on “Rehabilitation of Damages to Improve Performance of Hydro Electric Projects” for the Training Course on “Structural Safety Concern of Hydro Power Projects – Role of CWPRS” at CWPRS, 21st -23rd January, 2014.
6. Delivered lecture on 11/09/2014 on “Rehabilitation of Damages to Improve Performance of Hydro Electric Projects” for the Training Course on “Operational Aspects of Hydro Power Plant – Structural and Hydraulic Considerations” held at CWPRS, Pune during 9th – 11th September, 2014.
7. Delivered lecture on 13/01/2015 on “Concrete Technology” for the induction training program of new appointees of Central Water Engineering Services held at NWA, Pune on 13th January, 2015.
8. Delivered lecture on 31/03/2015 on “Mass Concrete – Construction Process” for the induction training program of new appointees of Central Water Engineering Services held at NWA, Pune on 31st March, 2015.

IV. Published Articles in Technical Memorandum

1. Contributed One Chapter for the Technical Memorandum on “contribution of cwprs for hydropower development- hydraulic and structural aspects” May 2015.
2. Associated in Contributing One Chapter for the Technical Memorandum on “Dam Safety and Rehabilitation” May 2015.
3. Associated in preparation of one Technical Memorandum on “Strengthening of Damaged Hydraulic Structures by Epoxy Grouting”, February 2015.