

ER Sheet Data Entry Form					
Name of Organization : CENTRAL WATER AND POWER RESEARCH STATION, PUNE					
Employee No. : E0904					
Service	CCS	Designation	Scientist 'E'	Sub Cadre	Group A
Joining Date :			18-01-1990		
Name Details					
Title	First Name	Middle Name	SurName		
Dr.	MARUTI	RAJAPPA	BHAJANTRI	Initials	M R B
Identity Card No. : 1138/11					
Sex	Male	Date Of Birth	01/08/1961	Date of Retirement	31/07/2021
Community		S.C.	Religion	Hindu	
Father's Name	RAJAPPA K BHAJANTRI				
Birth Details					
Birth Place	MURGOD	Birth State/ UT	KARNATAKA	Nationality	INDIAN
Birth District	BELGAUM	Mother Tongue		KANNADA	
Domicile	MAHARASHTRA	Physically Handicap Status		NIL	
Blood Group	'O' Positive		Identification Marks	Scar on right leg below knee	
Marital Details					
Marital Status	Married		Spouse Name	MANJULA	
Spouse Nationality	INDIAN				
Joining Details					
Source of Recruitment	UPSC	Joining Date	18-01-1990	Retirement Date	31-07-2021
Departmental Examination Details (If applicable) : NOT APPLICABLE					
Level		Year		Rank	
1					
2					
3					

Remarks (if any)	Screening test was conducted by UPSC followed by personal interview for the recruitment of Research Officer post at CWPRS			
Languages known				
	Name of Language	Read	Write	Speak
Indian Languages Known	1 Kannada	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	2 Hindi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	3 Marathi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4			
	5			
Foreign Languages Known	1 English	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	2			
	3			

Details of deputation (if applicable)

Name of the Office	Post held at that time in parent office	Name of post (selected for deputation)	Period of deputation	
			Since	Till
University of Minnesota, USA	Senior Research Officer	Deputed as Research Scholar under UNDP fellowship	15-10-1995	25-4-1996
Punathsangchhu I H.E. Project, Bhutan	Chief Research Officer	On Official tour to visit project site	23-4-2010	28-4-2010
Mangdechhu H.E. Project, Bhutan	Chief Research Officer	On Official tour to visit project site	26-6-2014	03-7-2014

Details of Foreign Visit

Sl. No.	Place of Visit	Date of visit	Post held at that time	Whether it is a personal or official visit	Details of visit
1	University of Minnesota, USA	15-10-1995 to 25-04-1996	Senior Research Officer	official visit	Deputed as Research Scholar under UNDP fellowship

2	Punathsangchhu I H.E. Project, Bhutan	23- 4-2010 to 28-4-2010	Chief Research Officer	official visit	Site visit to Punathsangchhu I H.E. Project, Bhutan for getting conversant with the site conditions and discussions with the site engineers
3	Mangdechhu H.E. Project, Bhutan	26. 6.2014 to 03-7-2014	Chief Research Officer	official visit	Site visit to Mangdechhu H.E. Project, Bhutan for getting conversant with the site conditions and discussions with the site engineers

Transfer/Posting Detail (if applicable) : **NOT APPLICABLE**

Place	Period of posting	
	Since	From

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

Qualification	Discipline	Specialization 1		
1. B.E. *	1. Civil Engineering	1. Structural Engineering		
2. M. Tech. **	2. Civil Engineering	2. Structural Engineering		
3. PhD ***	3. Computational Hydraulics	3. Numerical Investigations on Hydrodynamic Characteristics of Spillway Flows		
Year	Division	CGPA/ % Marks	Specialization 2	
1. 1986 *	1. First Class	1. 73.95%	Not Applicable	
2. 1988 **	2. First Class	2. 73.2%		
3. 2007 ***	3. Not Applicable	3. Not Applicable		
Institution		University	Place	Country
1. KREC (Now NIT, Surathkal) *		1. NIT	1. Surathkal, Karnataka	INDIA
2. KREC (Now NIT, Surathkal) **		2. NIT	2. Surathkal, Karnataka	
3. IIT Bombay ***		3. IIT	3. Mumbai, Maharashtra	

Experience

Type of Posting	Level
CCS	Group A Gazetted
Designation	Present Position
1. Scientist D (Since 2009 till date) ^{\$} 2. Senior Research Officer (1996-2009) [#] 3. Research Officer (1990-1996) [@]	Permanent
Ministry	Department
Ministry Of Water Resources, River Development and Ganga Rejuvenation	Central Water and Power Research Station
Office	Place
Spillways & Energy Dissipators	Khadakwasla, Pune-411024

Division			
Experience Subject		Period of Posting	
Major	Minor	From	To
Hydraulic Engineering	Hydraulic Modelling of Spillways and Energy Dissipators	2009 1996 1990	Till date ^{\$} 2011 [#] 1996 [@]
Refer Annexure A for nature of duties of different posts and Trainings attended			
<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	
1. 1995-96 ^{\$} 2. 2014*	1. UNDP Fellowship 2. Science Administration and Research management	1. Numerical Modelling of flow over Spillway 2. Science Administration and Research management	
Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)
1. Group A ^{\$} 2. Group A*	1. University of Minnesota, USA 2. Administrative Staff College of India, Hyderabad	1. USA 2. India	1. Not Applicable 2. Hyderabad
Sponsoring Authority	Period of Training	Duration	Result
	From	To	Completed successfully
	(in Weeks)		
1. UNDP ^{\$} 2. DST, GOI*	Oct 1995 10-2-2014	April 1996 21-2-2014	26 2
Awards/Publications (Refer Annexure B for Awards and Publications)			
Type of Activity:	Applied research	Academic	Non Academic
Activity Area	Activity Subject		Activity Title
Hydraulic Engineering	Hydraulic modeling of reservoir and appurtenant structures such as spillways, energy dissipators, power intakes and water conductor system		
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.

Place :

Date :

Information checked and verified – by

Signature of Officer

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

Details of Service

Name of Post and Department	Period		Nature of Duties
	From	To	
Scientist D Central Water & Power Research Station, Pune -24	2009	To-date	Guiding and organizing various research activities related to hydraulic model studies including conduct of research on hydraulic design and preparation of reports
Senior Research Officer Central Water & Power Research Station, Pune -24	1996	2009	Planning and supervising the various activities related to hydraulic model studies including conduct of research on hydraulic design and preparation of reports
Research Officer Central Water & Power Research Station, Pune - 24	1990	1996	Planning and construction of hydraulic models and conducting model studies for high head spillways and energy dissipators
Lecturer B.V.B. Engineering College, Hubli, Karnataka	1988	1989	Teaching Civil Engineering subjects

Trainings Attended :

- Advance training on “Numerical Modelling of flow over Spillway” at University of Minnesota, USA under UNDP Fellowship from October 1995 to April 1996.
- Training programme on “Science Administration and Research management” sponsored by Department of Science and Technology, Govt. of India.at Administrative Staff College of India, Hyderabad during 10-21 February 2014.

PUBLICATIONS**JOURNAL PAPERS**

1. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. (2008). "Numerical Investigation of the effects of Sluice Spillway Roof Profiles on the Hydraulic Characteristics." International Journal of Numerical Methods in Fluids, vol.57, 2008, pp: 839–859.
2. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. (2007). "Modelling hydrodynamic flow over spillway using weakly compressible flow equations." International Journal of Hyd. Research, IAHR, vol. 45, No. 6, pp: 844-852.
3. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. (2007). "Numerical Modelling of Turbulent Flow through Sluice Spillway with Gated Operation." International Journal of Numerical Methods in Engineering, vol. 72, pp: 221–243.
4. Fayi Zhou, **Bhajantri M. R.** and Charles C.S. Song (1997). "Numerical study of the effects of Spillway Crest shape on the Distribution of Pressure and Discharge." Research Bulletin published by Minnesota Supercomputing Institute, University of Minnesota, USA.
5. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. (2006). "Hydrodynamic modelling of flow over a spillway using a two dimensional Finite Volume based numerical model." *Sadhana* Journal, Indian Academy of Sciences, vol. 31, No. 6, pp: 743-754.
6. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. (2006). "Two-dimensional free surface flow over a spillway - A numerical model case study." Journal of Hyd. Engg., Indian Society for Hydraulics, vol. 12, No. 2, 2006, pp:7-24.
7. Azmathullah H. Md., Deo M. C., **Bhajantri M. R.** and Deolalikar P. B. (2004). "Scour at the base of flip-bucket spillways." Journal of Hyd. Engg., Indian Society for Hydraulics, vol. 10, No. 2, pp:121-129.
8. **Bhajantri M. R.** and Eldho T. I. (2009). "Hydrodynamic simulation of flow over spillway using numerical models." India's premier construction journal 'Master Builder', vol. 11, No. 11, pp: 191-199.
9. Kulhare Amit, Rama Rao V. S., **Bhajantri M. R.** and Pethe P. C. (2010) "Hydraulic model studies for Myntdu (Leshka) dam spillway, Meghalaya." Journal of Hyd. Engg., Indian Society for Hydraulics, vol. 16, No. 1, pp: 93-108.
10. Gadge P. P., **Bhajantri M. R.**, and Pethe P. C. (2010) "Hydraulic model studies for tunnel spillway of Parbati H.E. Project, stage-III, Himachal Pradesh." Journal of Hyd. Engg., Indian Society for Hydraulics, vol. 16, No. 2, pp: 59-74.

11. Rama Rao V. S., **Bhajantri M. R.**, and Pethe P. C. (2010) "Hydraulic model studies for Sewa-II dam spillway, Jammu & Kashmir." Journal of Hyd. Engg., Indian Society for Hydraulics, vol. 16, No. 2, pp: 104-115
12. Bhosekar V.V., Sangeeta Patnaik, **Bhajantri M.R.** and Sunderlal B.S. (2012) "Limitations of Spillway Roller Bucket", Water and Energy International Journal (CBIP), July Edition, Vol. No. 69, No. 7.
13. Bhosekar V. V., **Bhajantri M R** (2012). "Hydraulic design considerations for spillways in Himalayan region". Standards India, Vol. 26, No. 11, Feb 2013, pp: 3-11.
14. Rama Rao V. S., **Bhajantri M. R.**, and Mrs. Bhosekar V. V. (2013) "Hydropower Development in Himalayan Region-Swot Analysis of Hydraulic Factor" Water and Energy International CBIP Journal, pp: 43-48.
15. Bhosekar V. V. Dr. (Mrs.) and **Bhajantri M. R.** (2013) "Hydraulic design considerations for spillways in Himalayan regions" Water and Energy International CBIP Journal, November Edition, pp: 49-56.
16. Rama Rao V.S., More K.T., **Bhajantri M. R.**, Bhosekar V.V. (2014) "Hydraulic Design aspects of stilling basin with sloping apron", International Journal of Engineering Research (IJER), special issue 3, pp: 42-46.
17. Kulhare Amit, **Bhajantri M.R.** (2014), "Experimental and three Dimensional Numerical studies for a sluice spillway", International Journal of Engineering Research (IJER), special issue 3, pp: 15-19.
18. **Bhajantri M. R.**, Bhate R. B., Bhosekar V. V. (2014), "Design of Energy Dissipators for Spillways in Himalayan Region", INCOLD Journal, Volume – 3.

CONFERENCE PAPERS

19. Zhou Fayi and **Bhajantri M. R.** "Numerical Study of the effects of Spillway Crest Shape on the Distribution of Pressure and Discharge", 3rd International Conference on Hydro-Science and Engineering, Berlin, Germany, 1998.
20. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. "Hydrodynamic simulation of flow over spillway using weakly compressible flow formulation", 31st International Association of Hydraulic Research (IAHR) Congress, Seoul, 2005.
21. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. "Experimental and numerical investigations of flow over spillway.", 4th International R & D CBIP Conference at Aurangabad, 28-31 January 2003.
22. Azmathullah H. Md., **Bhajantri M. R.**, Narulkar S. M. and Deolalikar P. B. "Real time operation of reservoir system for irrigation scheduling", 5th International R & D Conference, Bangalore, February 2005.

23. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. "Challenges in numerical simulation of free surface flow over spillway.", 30th National Conference on "Fluid Mechanics and Fluid Power", at Surathkal, December 2003.
24. **Bhajantri M. R.**, Eldho T. I. and Deolalikar P. B. "Numerical modelling techniques for investigation of flow over spillway.", National Conference HYDRO- 2002 at IIT, Bombay on 16-17 December, 2002.
25. **Bhajantri M. R.**, Bhosekar V. V., Jadhav R. C. and Deolalikar P. B. "Problems associated with hydraulic design of training walls of the high head spillways". National Conference HYDRO-2000 REC, Kurukshetra, Oct. 2000.
26. **Bhajantri M. R.** and Sundarlal B. S. "Himalaya nadighati pariyojanaonkeliye adhiplava marg", published by CWPRS in Hindi magazine *Jalavani* , 2001.
27. **Bhajantri M. R.**, Jadhav R. C. , Azmatullah H. Md. and Deolalikar P. B. "Evaluation of flow conditions and scour for layout of training walls downstream of ski-jump bucket - A Case Study", National Conference on Hydraulic Structures at Bharati Vidyapeeth Deemed University, Pune, July 2001.
28. **Bhajantri M. R.**, Deolalikar P. B. and Mrs. Bendre V. M. "Hydraulic modelling techniques for reinforced rockfill dams – A Review", National Conference HYDRO – 2001 at CWPRS, Pune on 6-7 December, 2001.
29. Jadhav R. C., **Bhajantri M. R.**, Azmathullah H. Md. and Deolalikar P. B. "Experimental Investigations for design of Ski-jump Bucket- A case study", National Conference HYDRO-2003 at CWPRS, Pune, 26-27, December 2003.
30. Azmathullah H. Md., **Bhajantri M. R.**, Bhosekar V. V. and Deolalikar P. B. "Prediction of throw distance and maximum scour downstream of flip-bucket spillways", CBIP National Conference, Shimla, April 2005.
31. **Bhajantri M. R.**, Pethe P. C., Deolalikar P. B. and Khatsuria R. M. "Hydraulic model studies for Nathpa Jhakri dam Spillway, Himachal Pradesh", Indian National Conference on Advances in Hyd. Engg. at CWPRS, Pune, Nov. 2008.
32. **Bhajantri M. R.** "Advanced modelling techniques and water quality aspects of high head structures", National Workshop on Environment, dams and ports at Pune, jointly organised by ISH, CWPRS and BVDUCOE, 15-16 February 2011.
33. **Bhajantri M.R.**, Amit Kulhare, Ramarao V. S. and Mrs. Prajakta Gadge (2012). "Experimental Investigations to Modify the Existing Layout of Tailrace Manifold for Chhukha H. E. Project, Bhutan". Proceedings of National Conference on Hydraulic and Water Resources (HYDRO 2012), IIT Bombay, India, 7-8 Dec.
34. Gadge Prajakta P. (Mrs.), Bhosekar V. V. Dr. (Mrs.) and **Bhajantri M. R.** (2012). "Hydraulic Design Considerations of Tunnel Spillway – An Overview". Proceedings of

National Conference on Hydraulic and Water Resources (HYDRO 2012), IIT Bombay, India, 7-8 Dec, pp: 1165-1176.

35. Bhosekar V. V. Dr. (Mrs.), **Dr. Bhajantri M. R.** and Mrs. Sangeeta Patnaik (2013). "Assessment of Scour Downstream of Ski Jump Bucket and Design of Plunge Pools". Proc. of International Conference on Hydraulic and Water Resources, coastal and Environmental Engineering (HYDRO 2013) IIT Chennai, India, 4-6 Dec, pp: 773-784.
36. **Bhajantri M.R.** and Bhosekar V. V. Dr. (Mrs.) (2014). "Design and Calibration of spillways for discharging capacity with special reference to Hydro-Meteorological conditions and Climate Change". Seminar jointly organized by BIS and CWPRS on 'Hydrometry' at CWPRS, Pune
37. Kulhare Amit, P.P. Gadge, **Dr. M. R. Bhajantri**, Dr.(Mrs.) V.V.Bhosekar (2014). "Numerical Flow Simulation through a breastwall Spillway - An Application of CFD Software "Flow-3D" , Proceedings of International Conference, HYDRO 2014, MANIT, Bhopal, pp 430-440.
38. **Bhajantri M.R.** (2014). "Spillways and Energy Dissipators." CWPRS Technical Memorandum titled "Contribution of CWPRS for Hydropower Development-Hydraulic Aspects". pp: 59-89.