

ER Sheet Data Entry Form						
Name of Organization : CENTRAL WATER AND POWER RESEARCH STATION, PUNE						
Employee No. : E0959						
Service	CCS	Designation	Scientist D	Sub Cadre	Group A	
Joining Date : 23.05.1991						
Name Details						
Title	First Name	Middle Name	SurName		Initials	
Mr.	RIZWAN		ALI		ALI	
Identity Card No. 1581/13						
Sex	Male / Female	Date Of Birth	01.7.1965	Date of Retirement	30.6.2025	
Community	Muslim	Religion	Islam			
Father's Name	Shri Inamul Haque					
Birth Details						
Birth Place	Dadheru	Birth State/ UT	Uttar Pradesh	Nationality	INDIAN	
Birth District	Muzaffar Nagar	Mother Tongue	Hindi			
Domicile	Uttar Pradesh	Physically Handicap Status	Not Applicable			
Blood Group	AB ⁺	Identification Marks	Mole on Neck			
Marital Details						
Marital Status	Married/ Unmarried	Spouse Name	Shaista Parveen			
Spouse Nationality	INDIAN					
Joining Details						
Source of Recruitment	UPSC/ CWPRS	Joining Date	23.05.1991	Retirement Date	30.06.2025	
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 Marathi	Yes	No	Yes
	4 Urdu	Yes	Yes	Yes
	5 Sanskrit	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): 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. M.Sc. Engineering		Civil Engineering		Building Engineering	
2. B.Sc. Engineering		Civil Engineering		Dam Design	
Year	Division		CGPA/ % Marks	Specialization 2	
1989	First		75.45 %	Stress and stability analysis of structures	
1987	First Honours		77.45 % CGPA: 8.82	Concrete Technology	
Institution		University		Place	Country
Zakir Husain College of Engineering and Technology		Aligarh Muslim University, Aligarh		Aligarh, Uttar Pradesh	India
Zakir Husain College of Engineering and Technology		Aligarh Muslim University, Aligarh		Aligarh, Uttar Pradesh	India
Experience					
Type of Posting			Level		
Permanent			Group A Gazetted		
Designation			Present Position		
Research Assistant			Scientist D (Group A)		
Ministry			Department		
Water Resources, River Development and Ganga Rejuvenation			Central Water and Power Research Station		
Office			Place		
Structural Modelling and Analysis			Pune, Maharashtra		
Experience Subject			Period of Posting		
Major		Minor		From	To
Stress and Stability analysis of Hydraulic Structures		Concrete Technology		23.05.1991	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	
1995		Special Course		Static & Dynamic Analysis of Structures using Finite Element Method	
Level	Institute Name, Place		Field Visit Country	Field Visit Place (within India)	
A.R.O. Group B Gazetted	I.I.T. Roorkee		Nil	Roorkee	
Sponsoring Authority		Period of Training		Duration	Result
		From	To	(in Weeks)	√
Government of India		19.04.1995	30.04.1995	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 :

Place :

Information checked and verified – by

Signature of Officer

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

Annexure I

I. No. of Technical Reports Submitted to Clients :

PUBLICATIONS

I. No. of Technical Reports Submitted to Clients : 85

Nature of Studies	Name of Projects/Dams
1. Stress and Stability analysis of dams	Jhuj, Ukai, Supa, Thokerwadi, 4 Blocks of Garudeshwar , Telengiri, Karanja, Srisailam, Sankosh
2. Analysis and Interpretation of Instrumentation data	Indira sagar dam and powerhouse, Omkareshwar, Hirakud, Dharoi, Ajanta Caves, Varahi
3. Structural Model Studies of Penstock Bifurcations	Lower Periyar, Nathpa Jhakri
4. Prototype/In-situ Testing of Water Conductor System	Upper Silleru, Varahi, Teesta III, Guthpa Irrigation Scheme
5. Studies towards Rehabilitation of dams / Power Houses	Koyna, Perma Chemicals, Upper Indravati, Tarali, Ichari, Dimple Chemicals, Rourkela Steel Plant, Dimbhe , Bhandardara, Krishnarajasagar, Shivsagar, Bham

II. No. of Technical Papers Published :

21

A. Technical Papers Published in Journals

1. Hanumanthappa M.S, Rizwan Ali, Shyamli Paswan, A.K. Ghosh, S. Govindan, "Estimation of Rock Participation Factor through Hydro Tests of Pressure Shafts: A Case Study", *Journal of Water Resource Engineering and Management*. 2015; 2(2): 6–12p.

2. *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.
3. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, Minoti Das (Mrs.) A K Ghosh, "Stress Analysis by Finite Element Method of Weir Block having large size Multiple Openings- A case study", International Journal of Emerging Technology and Advanced Engineering, Volume 5, Issue 1, January 2015.
4. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, S G Chaphalkar, S.Govindan "Effect on Stability of Gravity Dams due to Impounding of Water at D/s as result of Weir Construction Using FEM" Water and Energy International,CBIP,India (Accepted for publication)
5. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, A K Ghosh, S Govindan, " An Assessment of Structural Safety of Cement Mortar Lined Irrigation Water Pipeline by Hydrostatic Test", Journal of Water Resources Engineering and Management,1(1):1-5p
6. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, A K Ghosh, S.Govindan "Evaluation of Structural Stability of an Existing Gravity Dam by Finite Element Method by Applying Pseudodynamic Approach" International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 2, March 2014.
7. R K Kamble, B Muralidhar **Hanumanthappa M S**, Patil AV, Edlabadkar J S (Mrs) ,"A Multidisciplinary Approach for Analysis and Control of Seepage in Hydraulic Structures " ISH International Journal of Hydraulics, August 2013

B. Technical Papers Published in Conferences/Seminars

1. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, A K Ghosh, S.Govindan "Assessment of Structural Safety of cement Mortor lined Irrigation Water Pipeline by Hydrostatic Test" Proceedings India Water Week,8-12 April 2013, New Delhi.
2. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, A K Ghosh, Dr I D Gupta "Analysing the Effect of Reservoir and Foundation Interaction in Gravity Dams on Stress Distribution by 2D Dynamic Analysis" ISET GOLDEN JUBILEE Symposium of Indian Society of Earthquake Technology, 20-21 October,2012 at IIT Roorkee.
3. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, A K Ghosh, S.Govindan, "Evaluation of Structural Stability of an Existing Gravity Dam by Finite Element Method By Applying Pseudodynamic Approach", for ISET GOLDEN JUBILEE Symposium of Indian Society of Earthquake Technology, 20-21 October,2012 at IIT Roorkee.

4. Rizwan Ali,, Hanumanthappa M S, Shyamli Paswan, Chaphalkar S.G. S Govindan, "2D Stability Analysis by Finite Element Method by Gravity dam in Himalayan Region – A case Study", Seminar on "Dams & Spillways in Himalayan Region", Bureau of Indian Standards, November 2012, New Delhi.
5. Rizwan Ali,, Hanumanthappa M S, Shyamli Paswan, Chaphalkar S.G. S Govindan, Monitoring of Structural Integrity of Dam Based on Analysis and Interpretation of Dam Instrumentation Data (A Case Study), Water Resources Department, Bureau of Indian Standards on 24 February 2011 at New Delhi.
6. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, Chaphalkar S.G. S.Govindan, "Evaluation of Design Adequacy of Penstock Branching using Hydrostatic Test (A Case Study) HYDRO 2010 at Ambala, 16-18 December 2010.
7. Hanumanthappa M S, Rizwan Ali, Shyamli Paswan, Chaphalkar S.G. and S Govindan, "Performance evaluation of Underground penstock bifurcation – A case study", GEOTrendz – Indian Geotechnical conference, IGC-2010, 16-18 December 2010, IIT Mumbai, India.
8. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, Chaphalkar S.G. S Govindan, "Verification of Structural Design of a Proposed Gravity dam in seismic zone V by 2D Pseudostatic approach using Finite Element Method- A case study" 14th Symposium on Earthquake engineering & Golden Jubilee Celebrations, 17-19 Dec 2010, IIT Roorkee.
9. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, Chaphalkar S.G. S Govindan, "2D Pseudostatic stability analysis of gravity dam in high seismic zone using finite element method a case study' National Conference on "Hydraulics, Water Resources, Coastal and Environmental Engineering" HYDRO 2009 at CWPRS, December 17-18, 2009.
10. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, Chaphalkar S.G., S Govindan, "Effect on stability of gravity dam due to impounding of water at downstream side as a result of weir construction using finite element method- a case study", 7th International R& D Conference- Development and Management of Water and Energy Resources – 4-6 February 2009, Bhubaneswar (Orissa), India (*Organised by CBIP*).
11. Rizwan Ali, Hanumanthappa M S, Shyamli Paswan, S.G. Chaphalkar, S.Govindan, ' Analysis and interpretation of dam instrumentation data for study on structural behaviour of Indira Sagar Dam, MP : Sixth International R& D Conference Sustainable Development of water and Energy Resources – Needs and Challenges, 13th - 16th February 2007 Lucknow, India (*Organised by CBIP*).
12. Rizwan Ali, A.K.Sathe, V.T.Desai, Hanumanthappa M S,, A.V.Patil, S.G. Chaphalkar, "Experimental Determination of Volumetric Shrinkage in Mass

Concrete – Koyna Dam, National conference & Exhibition on Civil Engineering : Meeting the challenges of Tomorrow ,Department of Civil Engineering Guru Nanak Dev Engineering College, Ludhiana, 24th & 25th November 2006.

13. Rizwan Ali & Hanumanthappa M S , ‘ 2-D Stability Analysis of Masonry Gravity Dam using Finite Element Method-A case study, *National Conference on Hydraulics and Water Resources (HYDRO-2003), CWPRS, Pune, Dec 26-27, 2003.*
14. V J Shende, Rizwan Ali, Hanumanthappa M S, I Azaraiah, ‘Structural Model Studies on Penstock Bifurcation of Nathpha Jhakri Hydro Electric Project, H P’. National Conference on Hydraulics (HYDRO – 99), Nagpur, March 6-7, 1999.

II. Published Lecture Notes in Training Programmes Proceedings: 20 Nos.

1. STRESS & STABILITY ANALYSIS BY FINITE ELEMENT METHOD OF EXISTING DAMS FOR ENHANCEMENT OF HYDROPOWER GENERATION” during training course on “Modernization and Capacity Enhancement of Existing Hydroelectric Projects ” 17-21 November 2014, NWA , Pune on 17 November 2014.
2. “IMPORTANCE OF MODEL STUDIES IN DAM DESIGN” during Training course on Analysis and Design of Dams (Gravity, Embankment, Arch RCC)”, 01 – 05 December 2014, WRD, Patna , Bihar.
3. APPLICATION OF FINITE ELEMENT METHOD in STATIC ANALYSIS OF GRAVITY DAMS during training course on Analysis and Design of Dams (Gravity, Embankment, Arch RCC)”, 01 – 05 December 2014, WRD, Patna , Bihar.
4. APPLICATION OF FINITE ELEMENT METHOD in DYNAMIC ANALYSIS OF GRAVITY DAMS during training course on Analysis and Design of Dams (Gravity, Embankment, Arch RCC)”, 01 – 05 December 2014, WRD, Patna , Bihar.
5. “Performance of Water Conductor System and In-Situ Hydro Tests” prepared for Training Programme on “Operational Aspects of Hydro Power Plant-Structural and Hydraulic Considerations”, CWPRS, 09 - 11 September 2014
6. Shri Rizwan Ali, SRO delivered lecture on Analysis of Gravity Dams By Conventional and Finite Element Method Using Static, Pseudostatic, Pseudodynamic and Dynamic Approaches on 15.02.2013 during Training Program on Application of Finite Element Analysis for Water Resources Structures” during 11-22 February 2013 at NWA,Pune .
7. Shri Rizwan Ali, SRO delivered lecture on Application of FEM in Analysis of Gravity Dams-Case Studies on 15.02.2013 during Training Program on Application of Finite Element Analysis for Water Resources Structures” during 11-22 February 2013 at NWA,Pune .
8. Shri Rizwan Ali, SRO delivered lecture on Dynamic Analysis of Concrete Gravity Dams on 06.06.2012 at 25th Induction training programme for newly appointed officers of Central Water Engineering (Group-A) services organized by NWA, Pune.

9. Shri Rizwan Ali, SRO delivered lecture on “Analysis and interpretation of dam Instrumentation data”, on 10.08.2012 at 25th Induction training programme for newly appointed officers of Central Water Engineering (Group-A) services organized by NWA, Pune.
10. Shri Rizwan Ali, SRO delivered lecture on “Analysis and interpretation of dam Instrumentation data- A case study”, on 10.08.2012 at 25th Induction training programme for newly appointed officers of Central Water Engineering (Group-A) services organized by NWA,Pune.
11. “Analysis using FEM” in the training programme on the “Application of finite element analysis for water resources structures” during 18th -29th July 2011 at N.W.A. Pune.
12. “Application of FEM in analysis of dams- a case study” in the training programme on the “Application of finite element analysis for water resources structures” during 18th -29th July 2011 at N.W.A., Pune
13. “Application FEM in dynamic analysis dams” in the training programme on the “Application of finite element analysis for water resources structures” during 18th-29th July 2011 at N.W.A., Pune
14. “Application FEM in dynamic analysis dams- a case study” in the training programme on the “Application of finite element analysis for water resources structures” during 18th-29th July 2011 at N.W.A., Pune
15. “Analysis of data and interpretation” in the training programme on the “Instrumentation in Dams” during 21st -25th November 2011 at N.W.A., Pune
16. “Analysis and interpretation of data – case studies” in the training programme on “Instrumentation in dams” during 21st -25th November 2011 at N.W.A., Pune
17. “Dynamic analysis of gravity dams – case studies” in the training programme on “Earthquake Resistant Design of Dams” during 11th-13th January 2012 at C.W.P.R.S., Pune
18. Application of FEM in 2D Pseudostatic Stability Analysis of Gravity Dam in Training Programme at NWA Pune on 13.12.2010.
19. Application of FEM in 3D Pseudostatic Stability Analysis of Gravity Dam in Training Programme at NWA Pune on 13.12.2010.

III. Published Articles in Technical Memorandum

1. Contributed Two Chapters for the Technical Memorandum on
“CONTRIBUTION OF CWPRS FOR HYDROPOWER DEVELOPMENT-
HYDRAULIC AND STRUCTURAL ASPECTS”