

ER Sheet Data Entry Form					
Name of Organization : CENTRAL WATER AND POWER RESEARCH STATION, PUNE					
Employee No. : E1666					
Service	Central Civil Services	Designation	SCIENTIST 'B'	Cadre	Group "A" (Gazetted)
Joining Date : 28-07-2021					
Name Details					
Title	First Name	Middle Name	Surname	Initials	
Dr.	MUHAMMED	FAISAL	RAHMAN	MFR	
Identity Card No. :					
Sex	MALE	Date Of Birth (DD-MM-YYYY)	23-11-1983	Date of Retirement	30-11-2043
Community	MUSLIM (OBC)	Religion	ISLAM		
Father's Name	KUNHIPOKER				
Birth Details					
Birth Place	PANG	Birth State/UT	KERALA	Nationality	INDIAN
Birth District	MALAPPURAM	Mother Tongue	MALAYALAM		
Domicile	KERALA	Physically Handicap Status	NO		
Blood Group	B +VE	Identification Marks	CUT MARK ON RIGHT EYE BROW		
Marital Details					
Marital Status	MARRIED	Spouse Name	Dr. THANOOJA C. H		
Spouse Nationality	INDIAN				
Joining Details					
Source of Recruitment	UPSC	Joining Date	28-07-2021	Retirement Date	30-11-2043
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	MALAYALAM	YES	YES	YES	
1					
2	HINDI	YES	YES	YES	
Foreign Language Known	ENGLISH	YES	YES	YES	
1					
2	ARABIC	YES	YES	NO	
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	From

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.	DOHA, QATAR	24-11-2010 to 30-09-2012	Electrical Engineer, Q.C.C, Qatar	Work Visa	Worked as Electrical Project and Design Engineer

Transfer/Posting Detail (if applicable)

Place	Period of posting	
	Since	From

Qualification (Use extra photocopy sheets for multi qualifications, experience, training, awards details)			
Qualification	Discipline		Specialization 1
Ph. D	Electrical & Electronics Engineering Sciences		High Voltage & Insulation Engineering, Partial Discharge Monitoring and Power Transformers
Year	Division	CGPA/ % Marks	Specialization 2
2021			Signal Processing, Pattern Recognition and Soft Computing
Institution	University	Place	Country
Central Power Research Institute (CPRI), Bangalore	Visvesvaraya Technological University, Belagavi	Bangalore, Karnataka	India
Qualification	Discipline		Specialization 1
M. Tech	Electrical Engineering		Electrical Systems
Year	Division	CGPA/ % Marks	Specialization 2
2010	First Class	8.19 / 10	Power Systems, High Voltage Engineering, Power Electronics, Instrumentation and Control Systems
Institution	University	Place	Country
National Institute of Technology (NIT), Durgapur	National Institute of Technology, Durgapur	Durgapur, West Bengal	India

Experience				
Type of Posting		Level		
Direct Recruitment by UPSC		Group "A" (Gazetted)		
Designation		Present Position		
SCIENTIST 'B' (Electrical Engineering)		SCIENTIST 'B'		
Ministry		Department		
Jal Shakti		Water Resources, RD & GR		
Office		Place		
CWPRS KHADAKWASALA PUNE		PUNE		
Experience Subject		Period of Posting		
Major	Minor	From	To	
Electrical Engineering	-	28-07-2021	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	
2021	Induction / Job Training		Divisional Activities of CWPRS	
Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)	
	CWPRS, Pune		CWPRS, Pune	
Sponsoring Authority	Period of Training		Duration	Result
CWPRS, Pune	From	To	(in Weeks)	Qualified
	02-08-2021	15-09-2021	6	
Awards/Publications				
Type of Activity:		Academic	Non Academic	
Activity Area		Activity Subject		Activity Title
Day	Month	Year	Activity Description/Remarks	

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

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

Date: 27-08-2021

Place: Pune

(E-mail id: faisal.rahman@gov.in)

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

Research / Teaching Experience:

1. Senior Research Fellow (High Voltage Division, Cables & Diagnostics Division) Central Power Research Institute, Bangalore, India, (May 2013 to May 2018).
2. Assistant Professor (Electrical & Electronics Engineering), Nehru College of Engineering & Research Center, Thrissur, Kerala, (November 2012 to April 2013).

3. Teaching / Research Assistant (High Voltage Laboratory), National Institute of Technology Durgapur, West Bengal, India, (August 2008 to July 2010).

Industrial Experience:

1. Accredited Solar Power Plant Inspector, ANERT (Agency for New and Renewable Energy Research and Technology), Ministry of Power, Government of Kerala (December 2018 to March 2021).
2. Electrical Project Engineer, Qatari Construction Co. (Q.C.C) W. L. L, Doha, Qatar (November 2010 to September 2012).

Achievements:

1. Senior Research Fellowship from CPRI Bangalore, India.
2. GATE Scholarship during M. Tech course, MHRD, Government of India.
3. Qualified GATE in 2007, 2010 and 2013.
4. Rooftop Solar Grid Engineer, Skill Council for Green Jobs, Government of India.
5. Reviewer of IEEE Access, IET SMT, IJPES (ACTA Press) and IEEE Conferences.

Publications:

Journals

1. **Muhammed Faisal Rahman**, Pradeep Nirgude, "Partial Discharge Behaviour due to Irregular-shaped Copper Particles in Transformer Oil with Different Moisture Content of Pressboard Barrier under Uniform Field" **IET Generation, Transmission & Distribution**, Vol. 13, Issue 27, pp. 5550-5560, December 2019.
2. **Muhammed Faisal Rahman**, Pradeep Nirgude, B. Nageshwar Rao, "Effect of irregular-shaped Cu particles on transformer oil PD characteristics under varying electrode configurations", **IET Science, Measure. & Technology**, Vol. 13, No. 2, pp. 201-211, March 2019.
3. **M. Faisal Rahman**, Pradeep M. Nirgude, B. Nageshwar Rao and K. P. Meena, "PD Pulse Discrimination of Different Conducting Particles in Transformer Oil Under Uniform Field", In: Németh B. (eds) Proceedings of the 21st International Symposium on High Voltage Engineering. ISH 2019. Lecture Notes in Electrical Engineering, Vol 599, pp: 1004-1013, **Springer**, Cham (https://doi.org/10.1007/978-3-030-31680-8_97).
4. **M. Faisal Rahman**, B. Nageshwar Rao, Pradeep M. Nirgude, Thirumurthy "Effect of Non-Conducting Particle in Transformer Oil Partial Discharge Characteristics", In: Németh B. (eds) Proceedings of the 21st International Symposium on High Voltage Engineering. ISH 2019. Lecture Notes in Electrical Engineering, Vol 599, pp: 1014-1023, **Springer**, Cham (https://doi.org/10.1007/978-3-030-31680-8_98).
5. **M. Faisal Rahman**, Dr. B. Nageshwar Rao, Dr. Pradeep M. Nirgude, "Pulse Characteristics and Pattern Analysis of Corona Discharges with Different Pressboard Insulation Barriers", *Power Research - A Journal of CPRI*, Vol 13. Issue. 01, March 2017, ISSN: 0973-0338.

International Conferences

1. **Muhammed Faisal Rahman**, Pradeep M. Nirgude, "Irregular-shaped Particle Motion and Charge Transfer Mechanism in Transformer Oil under Varying Field," 2020 IEEE 9th Power India International Conference (PIICON), SONEPAT, India, 2020, pp. 1-5, (IEEE Xplore DOI: 10.1109/PIICON49524.2020.9112961).

2. **M. Faisal Rahman**, Pradeep M. Nirgude, "Investigation of Particle Initiated Partial Discharges in Transformer Oil with Pressboard Barrier under Divergent Fields", IEEE International Conference on High Voltage Engineering & Technology (ICHVET-2019), Hyderabad, India. (IEEE Xplore DOI: 10.1109/ICHVET.2019.8724264).
3. **M. Faisal Rahman**, Pradeep M. Nirgude, "A New Approach to Study Partial Discharge Inception due to Particles in Transformer Oil using Electric Field Analysis", IEEE International Conference on High Voltage Engineering & Technology (ICHVET-2019), Hyderabad, India. (IEEE Xplore DOI: 10.1109/ICHVET.2019.8724179).
4. **M. Faisal Rahman**, B. Nageshwar Rao, Pradeep M. Nirgude and K. P. Meena, "Partial Discharge Pulse Discrimination Of Different Conducting Particles In Transformer Oil Under Uniform Field", 21st International Symposium on High Voltage Engineering (ISH 2019), August 26 to 30, 2019, Budapest, Hungary.
5. **M. Faisal Rahman**, B. Nageshwar Rao, Pradeep M. Nirgude, Thirumurthy "Effect of Non-Conducting Particle in Transformer Oil Partial Discharge Characteristics", 21st International Symposium on High Voltage Engineering (ISH 2019), August 26 to 30, 2019, Budapest, Hungary.
6. **Muhammed Faisal Rahman**, B. Nageshwar Rao, Pradeep M. Nirgude, Thirumurthy "Influence of Moisture on Partial Discharge Characteristics of Oil Impregnated Pressboard under Non-uniform Field", 20th International Symposium on High Voltage Engineering (ISH 2017), from August 28 to September 01, 2017, Buenos Aires, Argentina. (https://e-cigre.org/publication/ISH2017_545).
7. **M. Faisal Rahman**, B. N. Rao, Pradeep M. Nirgude, "Pulse Characteristics and Pattern Analysis of Corona Discharges with Different Pressboard Insulation Barriers", 18th Asian Conference on Electrical Discharge (ACED 2016) at IIT Madras, India.
8. **M. Faisal Rahman**, Pradeep M. Nirgude, U. R. Sheshagiri Rao, "Simulation of Partial Discharges in an Insulation Void and Discharge Signal Analysis Using Wavelet", International Conference on High Voltage Engineering & Technology (ICHVET-2015), pp.32-37, January 29th-30th, 2015, Hyderabad, India.
9. **M. Faisal Rahman**, N. K. Roy, "MATLAB Partial Discharge Simulation and Detection Using Wavelet", International Conference on Convergence of Science & Engineering (ICSE-2010), April. 21-23, 2010, DSI Bangalore-78 (IEEE Bangalore Section).

National Conferences

1. **M. Faisal Rahman**, Pradeep M. Nirgude, U. R. Sheshagiri Rao, "Pattern Recognition Technique for Classification of Multiple Partial Discharges in Simulated Transformer Defect Model", National Conference on Recent Trends in Power Engineering, 29-30 December 2015, IIT Madras, Chennai 600 036, India.
2. **M. Faisal Rahman**, Pradeep M. Nirgude, U. R. Sheshagiri Rao, D. Devendranath, R. S .S Aradhya "Partial Discharge Measurement Techniques for Transformer Condition Monitoring and Assessment", National High Voltage Engineering Conference (NHVEC-2014), pp.84-89, March 7th-8th, 2014, Hyderabad, India.
3. U. R. Sheshagiri Rao, **Muhammed Faisal Rahman**, R. S. Shivakumara Aradhya, K. Mallikarjunappa, T. Bhavani Shankar "Diagnostic Testing Of Metal Oxide Gapless Surge Arrester", National Conference on Modern Trends in Diagnostic Testing and Condition Assessment of Power Plant and Substation Equipment, pp.157-164, January 30th-31st, 2014, CPRI Bangalore, India.
4. **M. Faisal Rahman**, N. K. Roy, C. Koley "Simulation of Partial Discharges in high Voltage Insulation and Pulse Analysis Using Wavelet", National Conference on

Emerging Electronics and Computing Systems (NCEECS-2010), April. 02 - 03,
2010, School of Electronics, Devi Ahilya University, Indore, M. P, India.