

ER Sheet Data Entry Form						
Name of Organization: CENTRAL WATER AND POWER RESEARCH STATION, PUNE						
Employee No.: E1037						
Service	CCS	Designation	Assistant Research Officer	Sub Cadre	Group 'B'	
Joining Date : 17.5.1993						
Name Details:						
Title	First Name		Middle Name		Sur Name	
Mr.	Vivekanandan				Initials	N
Identity Card No.: 937/09 issuing date 17.11.2009						
Sex	Male / Female	Date Of Birth	4.6.1969	Date of Retirement	30.6.2029	
Community	OC	Religion		Hindu		
Father's Name	S. Nellaiappan					
Birth Details:						
Birth Place	Tirunelveli	Birth State/ UT	Tirunelveli	Nationality	Indian	
Birth District	Tirunelveli	Mother Tongue		Tamil		
Domicile	Tirunelveli	Physically Handicap Status		Not applicable		
Blood Group	A` `+'`		Identification Marks	A mole on the right hand		
Marital Details:						
Marital Status	Married/ Unmarried		Spouse Name	Mrs. G. Padma Priya		
Spouse Nationality	Indian					
Joining Details:						
Source of Recruitment	UPSC/ CWPRS	Joining Date	17.5.1993	Retirement Date	30.6.2029	
Departmental Examination Details (If applicable)						
Level			Year		Rank	
1						
2						
Remarks (if any)	Nil					

Languages known:				
	Name of Language	Read	Write	Speak
Indian Languages Known	1 Tamil	Yes	Yes	Yes
	2 English	Yes	Yes	Yes
	3 Hindi	Yes	Yes	Yes
	4 Malayalam	No	No	Yes
Foreign Languages Known	1			
	2			

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

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
Year		Division		CGPA/ % Marks
Institution		University		Place
		Please refer Annexure-1		
Experience:				
Type of Posting		Level		
CWPRS Recruitment		Middle Level		
Designation		Present Position		
Assistant Research Officer		Permanent		
Ministry		Department		
MoWR, RD & GR		Central Water and Power Research Station, Pune		
Office		Place		
CWPRS, Pune		Khadakwasla, Pune-411 024		
Experience Subject		Period of Posting		
Major		Minor	From	To
CWPRS, Pune		---	17.5.1993	Till date
<i>Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject (minimum 1 week & above)</i>				
Training: (Details of training for 1-week and above are given in Annexure-2)				
Training Year	Training Name		Training Subject	
2008 to 2009	International Post Graduate Course		Hydrology	
Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)	
PG Diploma	University of Roorkee	India	Roorkee	
Sponsoring Authority	Period of Training		Duration	Result
	From	To	(in Weeks)	Qualified
CWPRS (MoWR)	16.7.1998	15.7.1999	52 weeks	Not Qualified
Awards/Publications: (List of Publications of Research Papers are given in Annexure-3)				
Type of Activity:		√	Academic	-
Activity Area		Activity Subject		Activity Title
Publication of technical paper		Hydrology and Water Resources		Best paper award
Day	Month	Year	Activity Description/Remarks	Level
18	Dec	2009	Received Gold Medal from Union Ministry of Irrigation and Power	Senior

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: 17.06.2015

Place: Pune

Information checked and verified – by

Signature of Officer

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

Annexure-1

Qualification	Discipline	Specialization 1	Year	Division	CGPA/ % Marks	Specialization 2	Institution	University	Place	Country
M.Sc.	Mathematics	Mathematics	1991	First	80.2	Operations Research	MDT Hindu College	Madurai Kamaraj University	Tirunelveli	India
M.A.	Public Administration	Public Administration	1996	Second	NIL	NIL	Distance Education	University of Madras	Chennai (Madras)	India
M.E.	Hydrology	Hydrology	2000	First with Distinction	80.3	Water Resources	Department of Hydrology	University of Roorkee	Roorkee	India
PGDCA	Computer Applications	Computer Applications	2000	First	60.8	NIL	Distance Education	Madurai Kamaraj University	Tirunelveli	India
PGDPM & IR	Personnel Management & Industrial Relations	Personnel Management	2002	NA	NA	Industrial Relations	Distance Education	Annamalai University	Chidambaram	India
PGDOR	Operations Research	Operations Research	2004	First	61.8	Applied Statistics	Distance Education	Pondicherry University	Pondicherry	India
M. Phil.	Mathematics	Mathematics	2006	No classification in BU for M.Phil programme		Operations Research	Distance Education	Bharathiar University(BU)	Coimbatore	India
PGDSBSA	Software Based Statistical Analysis	Statistics	2008	First with distinction	84.3	NIL	Distance Education	Annamalai University	Chidambaram	India
M.B.A	Human Resources	Human Resources	2013	First	65.3	NIL	Distance Education	Manonmaniam Sundaranar University	Tirunelveli	India
M.A.	Sociology	Sociology	2013	Second	NA	NIL	Distance Education	Manonmaniam Sundaranar University	Tirunelveli	India

Annexure-2

S. No.	Training Year	Training Name	Training Subject	Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)	Sponsoring Authority	Period of Training		Duration (days)	Result (Qualified or Not Qualified)
									From	to		
1	1994	Hydraulic Modelling, Regulation, Evaluation & On-Form Management of Irrigation Canal Systems	Hydraulic modelling	Junior	CWPRS	India	Pune	CWPRS	4 Jan	12 Jan	9	Qualified
2	1996	Computer Course for Database Managers	Computer Applications	Junior	NIH, Roorkee	India	Roorkee	CWPRS	30 July	9 Aug	11	Qualified
3	2001	Application of Artificial Neural Network in Civil Engineering and Water Resources Development	Soft Computing	Junior	NWA, Pune	India	Pune	CWPRS	9 Oct	12 Oct	5	Qualified
4	2002	Remote Sensing and GIS	RS & GIS Applications	Junior	CWPRS, Pune	India	Pune	CWPRS	4 Mar	8 Mar	5	Qualified
5	2003	Flood Management & Flood Forecasting	Flood Management	Middle	NWA, Pune	India	Pune	CWPRS	3 Mar	7 Mar	5	Qualified

6	2003	Integrated Water Resources Management Using RIBASIM Software	Water Resources Management	Middle	NWA, Pune	India	Pune	CWPRS	10 June	20 June	11	Qualified
7	2006	Application of Modern Techniques in Practicing Hydrology	Hydrology	Middle	NIH, Roorkee	India	Roorkee	CWPRS	9 Oct	13 Oct	5	Qualified
8	2007	Application of Geoinformatics in Water Sector	Geo-informatics	Middle	NWA, Pune	India	Pune	CWPRS	1 May	11 May	11	Qualified
9	2009	Rainfall-Runoff and River Basin Modelling	Hydrology and Water Resources	Senior	NIH, Roorkee	India	Roorkee	CWPRS	26 Oct	6 Nov	11	Qualified
10	2011	Fuzzy Logic, Genetic Algorithm and Wavelet Transformations in Civil Engineering	Soft Computing	Senior	NIT, Surathkal	India	Surathkal	CWPRS	27 June	1 July	5	Qualified
11	2012	Hydroinformatics and Soft computing	Soft Computing	Senior	NWA, Pune	India	Pune	CWPRS	6 Aug	10 Aug	5	Qualified
12	2012	Regionalization of Water-shed Response in Ungauged Basins; Special Reference to Flood Estimation	Flood Modelling	Senior	NIH, Roorkee	India	Roorkee	CWPRS	15 Oct	19 Oct	5	Qualified

13	2013	Advanced Watershed Modelling in Water Resources	Water Resources	Senior	NWA, Pune	India	Pune	CWPRS	23 Sep	27 Sep	5	Qualified
14	2013	Long Lead-time Ensemble River and Flood Forecasting	River and Flood Modelling	Senior	NIH, Roorkee	India	Roorkee	CWPRS	18 Nov	23 Nov	6	Qualified
15	2013	Estimation of Design Flood, Storm Analysis and Preparation of PMP Atlas	Flood Modelling	Senior	NWA, Pune	India	Pune	CWPRS	16 Dec	21 Dec	6	Qualified
16	2014	Hydrological Analysis Using Statistical and Stochastic Techniques; Special Reference to Flood Estimation	Hydrological Modelling	Senior	NIH, Roorkee	India	Roorkee	CWPRS	24 Feb	28 Feb	5	Qualified
17	2014	Remote Sensing and Flood Mapping Using GIS	Remote Sensing & GIS	Senior	NWA, Pune	India	Pune	CWPRS	15 Dec	24 Dec	10	Qualified
18	2015	Introduction to HEC Based Modelling Simulation	HEC Software Products	Senior	NIH, Roorkee	India	Roorkee	CWPRS	1 June	5 June	5	Qualified

Annexure 3

List of Publications of Research Papers during Jan 2010 – Mar 2015

- 1) N. Vivekanandan and F.T. Mathew (2010); Comparison of T-year Flood Estimates by a Range of Statistical Distributions, *Journal of Power & River Valley Development*, Vol. 60 (5 & 6), pp. 90-94
- 2) N Vivekanandan (2010); Probabilistic Modelling of Annual d-Day Maximum Rainfall, *ISH Journal of Hydraulic Engineering*, Vol. 16 (3), pp. 122-133
- 3) N. Vivekanandan and F.T. Mathew (2010); A Comparative Study of Flood Estimation Using Data Transformation Methods, *Proc. of 9th International Conference on Hydro-Science and Engineering (ICHE 2010)* organized by Indian Institute of Technology (Madras) at Chennai during 2-5 August, pp. 581-588
- 4) N. Vivekanandan (2010); Prediction of Runoff Using Artificial Neural Networks, *Proc. of 9th International Conference on Hydro-Science and Engineering (ICHE 2010)* organized by Indian Institute of Technology (Madras) at Chennai during 2-5 August, pp. 1691-1700
- 5) N. Vivekanandan (2011); Prediction of annual runoff using artificial neural network and regression approaches, *Journal of Meteorology, Hydrology & Geophysics (MAUSAM)*, Vol. 62 (1), pp. 11-20
- 6) N. Vivekanandan and F.T. Mathew (2011); Optimization of hydrometric network using entropy method, *Journal of Power & River Valley Development*, Vol. 61 (9 & 10), pp. 154-158
- 7) S.K. Roy, N. Vivekanandan and F.T. Mathew (2011); Low-flow modelling using PWM estimators of Weibull distribution, *Journal of Applied Hydrology*, Vol. XXIV (3&4), pp. 29-36
- 8) N Vivekanandan and M. Janga Reddy (2011); Intercomparison of statistical distributions for flood frequency analysis, *Proc. on Mathematical and Computational Modelling (ICMCM 2011)* organized by PSG College of Technology at Coimbatore during 19-21 December, pp. 492-499
- 9) N Vivekanandan and M. Janga Reddy (2011); Evaluation of streamflow network using entropy method, *Proc. on 'Hydraulics and Water Resources (HYDRO 2011)'* organized by ISH at SVNIT, Surat during 29-30 December, pp. 1031-1036
- 10) U.C. Roman, P.L. Patel, P.D. Porey and N. Vivekanandan (2012); Assessing adequacy of probability distributional model for estimation of design storm, *Recent Journal of Engineering Sciences*, Vol. 1 (1), pp. 19-25
- 11) N. Vivekanandan (2012); Entropy based assessment on optimization of streamflow network, *Journal of Applied Hydrology*, Vol. XXV (1 & 2), pp. 1-8
- 12) N. Vivekanandan (2012); Intercomparison of flood estimates using regression and maximum likelihood approaches of data transformation methods, *Journal of Power & River Valley Development*, Vol. 62 (1 & 2), pp. 16-20
- 13) N. Vivekanandan, S.K. Roy and F.T. Mathew (2012); Modelling of wind speed data using probabilistic approach, *Journal of Power & River Valley Development*, Vol. 62 (3 & 4), pp 42-45
- 14) N. Vivekanandan and Rahul S. Jagtap (2012); Evaluation and selection of rain gauge network using entropy, *Journal of Institution of Engineers (Series A)*, Vol. 93 (4), pp. 223-232
- 15) N Vivekanandan (2012); Comparison of design wind speed using extreme value distributions and IS875 procedures, *Journal of Civil and Structural Engineering*, Vol. 3 (1), pp. 94-100
- 16) N. Vivekanandan and Rahul S. Jagtap (2012); Optimization of hydrometric network using spatial regression approach, *Journal of Industrial Engineering and Management Science*, Vol. 2, Special issue, pp. 56-61
- 17) N. Vivekanandan (2012); Prediction of seasonal and annual rainfall using order statistics approach of Gumbel and Frechet distributions, *Journal of Engineering and Technology*, Vol. 1 (1), pp. 140-151

- 18) N. Vivekanandan and Rahul S. Jagtap (2012); Evaluation of rain gauge network using spatial regression approach, Proc. on Contemporary Civil Engineering Research and Practices (CCERP 2012) organized by Manipal Institute of Technology at Manipal during 20-21 April, pp. 1451-1457
- 19) N. Vivekanandan, S.K. Roy and A.K. Chavan (2012); Evaluation of Rain Gauge Network using Maximum Information Minimum Redundancy Theory, Journal of Scientific Research and Reviews, Vol. 1 (3), pp. 96-107
- 20) N. Vivekanandan (2012); Prediction of seasonal and annual rainfall using artificial neural network, Proc. of India Water Week 2012 on Water Resources and Engineering', organized by MoWR at New Delhi during 10-14 April, pp. 1-13
- 21) P. Vijayagopal, N. Vivekanandan and S. Kannan (2013); Assessing Adequacy of Probability Distribution for Development of IDF Relationships for Mandla and Jabalpur, International Journal of Scientific Research and Review, Vol. 2 (3), pp. 99-114
- 22) N. Vivekanandan (2013); Intercomparison of Flood Estimates Using Regression and Maximum Likelihood Methods of Data Transformation Approach, Journal of Applied Hydrology, Vol. XXVI, No. 1-4, pp. 1-9
- 23) N. Vivekanandan (2014); Modelling annual rainfall of Krishna and Godavari river basins using Extreme Value Type-1 distribution, Journal of Structural Engineering, Vol. 3 (1), pp. 7-12
- 24) N. Vivekanandan (2014); Prediction of rainfall using MLP and RBF networks, International Journal Advanced Networking and Applications, Vol. 5 (4), pp. 1974-1979
- 25) N. Vivekanandan (2015); Assessment of Probability Distribution for Flood Frequency Analysis, Proc. of 3rd India Water Week-2015 organized by MoWR, River Development and Ganga Rejuvenation at New Delhi during 13-17 January 2015 [Paper ID: 112, pp. 1-9]