ER Sheet Data Entry Form

Name of Organization : CENTRAL WATER AND POWER RESEARCH STATION, PUNE

Employee No. :E-0544

Service	CCS	**Designation**	Scientist-D	**Sub Cadre**	------

Joining Date :30th June(AN),1982

Name Details

Title	**First Name**	**Middle Name**	**SurName**		
Mr.	ASHIS	KUMAR	GHOSH	Initials	

Identity Card No. 1070/10

Sex	Male / ~~Female~~	Date Of Birth	24.09.1959	Date of Retirement	30.09.2019

Community	BENGALI	Religion	HINDUISM
Father's Name	LATE SHRI. AJIT KUMAR GHOSH		

Birth Details

Birth Place	KOLKATA	Birth State/ ~~UT~~	WEST BENGAL	Nationality	INDIAN

Birth District	24-PARGANAS	Mother Tongue	BENGALI
Domicile	WEST BENGAL	Physically Handicap Status	NOT APPLICABLE
Blood Group	B+VE	Identification Marks	SMALL YELLOW MOLE ON RIGHT EYELID

Marital Details

Marital Status	Married/~~Unmarried~~	Spouse Name	MRS.RAKHI GHOSH

Spouse Nationality	INDIAN

Joining Details

Source of Recruitment	~~UPSC~~/CAMPUS INTERVIEW BY CWPRS DURING FINAL YEAR AT COLLEGE	Joining Date	30.06.1982	Retirement Date	30.09.2019

Departmental Examination Details (If applicable)- **NOT APPLICABLE**

	Level	Year	Rank
1	-------	-------	-------
2	-------	-------	-------
3	-------	-------	-------

Remarks (if any)	

Languages known

	Name of Language	**Read**	**Write**	**Speak**
Indian Languages Known 1	BENGALI	YES	YES	YES
2	HINDI	YES	YES	YES
3	MARATHI	-------	-------	YES
Foreign Languages Known 1	ENGLISH	YES	YES	YES
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
B.E.(Civil)	CIVIL ENGINEERING	FOUNDATION ENGINEERING

Year	Division	CGPA/ % Marks	Specialization 2
1982	FIRST	70.9%	-------

Institution	University	Place	Country
REC DURGAPUR	BURDWAN	WEST BENGAL	INDIA

Experience

Type of Posting	Level
PERMANENT	GROUP-A,GAZETTED
Designation	Present Position
SCIENTIST-D	SCIENTIST-D
Ministry	Department
MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVINATION	-------
Office	Place
C.W.P.R.S	KHADAKWASLA,PUNE
Experience Subject	Period of Posting

Major	Minor	From	To
Field and Laboratory investigations in Rock Mechanics to assess engineering properties of rock mass and rock materials for river valley projects in India	Static Stress analysis of concrete gravity dams and dam instrumentation data analysis	30.06.1982	TILL DATE

Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject ***(minimum 1 week & above)***

Training

Training Year	Training Name	Training Subject
2011	INSTRUMENTATION IN DAMS	DAM INSTRUMENTATION & DATA ANALYSIS

Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)
	NATIONAL WATER ACADEMY,PUNE		--------

Sponsoring Authority	Period of Training		Duration	Result	
	From	To	(in Weeks)	√	Qualified
DIRECTOR,CWPRS	21.11.2011	25.11.2011	1		~~Not Qualified~~

R&D studies associated with: Annexure-I
Awards/Publications : Annexure-II

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 : 23.06.2015 Place :CWPRS,Pune
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

R&D STUDIES FOR VARIOUS RIVER VALLEY PROJECTS

Type of Study	Name of Project
Rock Mechanics studies towards Deformability and In-situ Stress measurement for rock mass by Flat Jack Method	1.Koyna H.E.Project,Maharashtra 2.Ruparel College Tunnel,Mumbai,Maharashtra 3.Idamalayar H.E.Project,Kerala 4.Lower Periyar H. E. Project,Kerala 5.Rajasthan Atomic Power Project, Rajasthan 6.Bhandardara H.E.Project, Maharashtra 7.Lakhwar Dam,Uttarakhand 8.Bhira Generating Station,Maharashtra 9.Srisailam H.E.Project,Telengana 10.King Circle Tunnel,Mumbai,Maharashtra 11. Subansiri Project,Assam 12.Malabar Hill Tunnel,Mumbai,Maharashtra
Rock Mechanics studies to assess Deformability of rock mass by Plate Load Test	1.Indi Branch Canal aqueduct,Karnataka 2.Lower Periyar H.E.Project,Kerala 3.Hirehalla Dam,Karnataka 4.Subansiri Project,Assam 5.Indira Sarovar H.E.Project,Madhya Pradesh
Rock Mechanics studies to assess in-situ Shear Strength parameters of rock mass	1.Upper Tunga Project,Karnataka 2. Indira Sarovar H.E.Project,Madhya Pradesh 3.Kadra Dam,Karnataka 4.Markandeya Dam,Karnataka 5.Hirehalla Dam,Karnataka
Geological appraisal of rock mass	1.Jewargi Branch Canal,Karnataka 2.Indi Branch Canal,Karnataka 3.Bhima-Sina Link Tunnel,Maharashtra
Anchor pull out strength	1.Bhandardara dam,Maharashtra
Rock Mechanics Studies to assess permeability of rock foundation	1.Hidkal Dam,Karnataka 2.Singatalur Lift Irrigation Scheme,Karnataka 3.Maskinala Dam,Karnataka 4.Arkavathy Dam,Karnataka
Laboratory Studies to assess engineering properties of rock mass	1.Subansiri Project,Assam 2. Lower Periyar H.E.Project,Kerala 3. Indira Sarovar H.E.Project,Madhya Pradesh 4.Idamalayar H.E.Project,Kerala 5.Amarja Dam,Karnataka 6.Bennithora Dam,Karnataka 7.Indrasagar Dam,Madhya Pradesh 8.Koyna H.E.Project,Maharashtra 9.Bhandardara H.E.Project,Maharashtra 10.Bhira Generating Station,Maharashtra 11. King Circle Tunnel,Mumbai,Maharashtra 12.Ghatghar H.E.Project,Maharashtra 13.Tilari Head Works,Sindhudurg,Maharashtra 14.Bav H.E.Project,Devrukh,Maharashtra
Other rock mechanics studies	1.Bhira Generating Station,Maharashtra 2.Sardar Sarovar Project,Gujarat
Dam Instrumentation data analysis	1.Indira Sagar H.E.Project,Madhya Pradesh
Strain measurement during Hydrotest of Penstock bifurcation	1.Varahi.H.E.Project,Karnataka 2.Teesta III H.E.Project,Sikkim
2D Static Stress analysis of gravity dam by FEM	1.Karanja Dam,Karnataka

ANNEXURE-II

1.Technical Reports **:** Associated with preparation of more than 50 Technical Reports pertaining to Client Sponsored works related to river valley Projects of India

2.Research Publication:

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. Vo.2,No.2,2015; pp 6–12

2. 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.

3. 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,Vol.1,Issue 1,2014,pp.1-5

4. 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 3, March 2014,pp.172-177.

5. Ghosh A.K., Saha B.K., and Shirke J.M.
   "*Support Requirement for Underground Excavation Using Numerical Technique*", Journal of Rock Mechanics & Tunnelling Technology,Vol.I3,No.2,pp. 93-108, July 2007.

Conference/Seminars/Symposiums

1. Ghosh A.K
   "*Shear Strength of Dam-Foundation Interface-A Case Study*",
   Proc. Indian Geotechnical Conference-2010 ,GEOtrendz,Vol II,pp.1039-1042,
   16th – 18th December 2010, Mumbai, India.

2. Ghosh A.K
   "*Rock Stress Measurements for Underground Excavations*",
   Proc. 12th International Conference of International Association for Computer Methods and Advances in Geomechanics (IACMAG),pp.4166-4174, 1st – 6th October 2008, Goa, India.

3. Shirke J.M., Ghosh A.K., and Saha B.K.
   "*Rock Mass Characterisation at Power House Complex of Ghatghar Pumped Storage Hydro Electric Project, Thane, Maharashtra*",Proc. Conference on Development of Hydro Power Projects – A Prospective Challenge,
   Vol.II,pp. 100-109, 20th – 22nd April 2005, Shimla, Himachal Pradesh, India.

4. Shirke J.M., Ghosh A.K., and Saha B.K.

"*Geotechnical Appraisal of Quartzite as Foundation Rock Mass at Markandeya Dam, Karantaka, India*, Proc. International Conference on Accelerated Construction of Hydro Power Projects, 15th -17th October 2003, Gedu, Bhutan, India.

5. Saha B.K., Ghosh A.K., Shirke J.M., and I.Azaraiah
"*Assessment of In-situ Stresses and Deformability of Rock Mass in Water Supply Tunnels in Mumbai, Maharashtra*", Proc. Tunnelling Asia-2000,pp. 17-24, 26th -29th September, 2000, New Delhi, India.

6. Saha B.K., Ghosh A.K., Ramkrishna V., Govindan S., Shirke J.M.
"*Assessment of Deformability and In-situ Stresses in Deccan Trap Rock Masses*",
Proc. International Conference on Rock Engineering Techniques for Site Characterisation(ROCKSITE-99),pp.51-55,6th-8th December, 1999, Bangalore, India.

7. Govindan S., Saha B.K., Dhawan K.R., and Ghosh A.K.
"*Study of In-situ Stresses and Deformability of Rock Mass of Head Race Tunnel, Koyna HE Project, Stage-IV, Maharashtra",*Proc. Tunnelling Asia '97 (HYDRO CENTENARY-1997), Asian Regional Conference and 2nd International Symposium, pp. 125-132, 20th -24th January, 1997, New Delhi, India.

8. Rame Gowda B.M., Govindan S., Saha B.K., and Ghosh A.K.
"*Studies of Foundation Rock of Hirehalla Dam Spillway, Karnataka, India",*
Proc. 2nd International Conference on Dam Safety Evaluation,
pp. 891-897, 26th-30th November 1996, Trivandrum, India.

9. Rame Gowda B.M., Patil R.S., and Ghosh A.K.
"*Stability Analysis of Dam on Foundation Having Weak Plane*",
Proc. National Symposium on Recent Trends in Design of Hydraulic Structures,
pp.191-198,18th-19th March,1994, Roorkee, India.

10. Rame Gowda B.M., Patil R.S., Sadhana Kulkarni, and Ghosh A.K.
"*Computer Aided Design Analysis for Sardar Sarovar Underground Openings*",
Proc. India Geotechnical Conference,
Vol.2(4),pp.333-336,1993, Calcutta, India.

11. Rame Gowda B.M., Dhawan K.R., and Ghosh A.K.
"Strength and Deformability of Stratified Foundation of Atomic Power Plant",
Proc. Indian Geotechnical Conference, 1993, Calcutta, India.

12. Rame Gowda B.M., Saha B.K., and Ghosh A.K.
"*Studies on Anchor Strength in Different Types of Rock Masses*",
Proc. Indian Geotechnical Conference(IGC-89),
Vol.I,pp.451-454,1989, Visakhapatnam, India.

13. Rame Gowda B.M., Dutta R., Ghosh A.K., and Mokhashi S.L.
"*Study of In-situ Stresses and Deformability of Rock Mass at Kuttiyadi Tunnel, Kerala*", Proc. 55th CBIP R&D Session, 1989,Technical Session VIII,Paper No.15,pp.84-88,25th-28th July,1989,Srinagar, India.

14. Rame Gowda B.M., Ghosh A.K., and Mokhashi S.L.
"Stress Induced Instability Analysis for Underground Openings",
Proc. International Symposium on Underground Engineering,
Vol.I, pp. 259-267, 14th-17th April,1988, New Delhi, India.

Appearance of Published Paper in Book

Proceedings of 12th IACMAG Conference ,2008 has been published by Curran Assiciates Inc.,USA as a book titled " 12th International Conference on Computer Methods and Advances in Geomechanics 2008" in August 2012. In this book my paper titled "Rock Stress measurement for Underground Excavation " has appeared in Vol.6,pp.4166-4174

Award received

Paper titled " Support requirement for Underground Excavation using Numerical Technique" published by me in "Journal of Rock Mechanics & Tunnelling Technology (JRMTT)",Vol.13,No.2,pp.93-108 ,July 2007 has received Best Paper Award in November 2011 under "Underground Space Technology " Category.

Technical Memorandum

1. Contributed a topic on "Rock Mechanics Studies to assess rock properties towards safe design of hydraulic structures" for the Technical Memorandum titled "Contribution of CWPRS for Hydropower Development- Hydraulic and Structural Aspects" published by CWPRS,Pune.

2. Contributed a topic on "Permeability of Rock Mass Foundation" for the Technical Memorandum titled "Controlling Seepage through Hydraulic Structures" to be published by CWPRS,Pune.

Lecture Note in Training Programme

1. Contributed a topic on "Rock Mechanics Studies to assess rock properties towards safe design of hydraulic structures " for the published lecture notes during Training Course titled "Structural Safety concerns of Hydro Power Projects-Role of CWPRS"conducted by CWPRS,Pune during January 2014.

2. Contributed a topic on "Assessment of Permeability of Dam Foundation" for the published lecture notes during Training Course titled "Advance Techniques for Assessment and Control of Seepage in Hydraulic Structures" conducted by CWPRS,Pune during February,2012.

3. Contributed a topic on "Assessment of Permeability of Dam Foundation" for the published lecture notes during Training Course titled "Seepage in Hydraulic Structures-causes,analyses and remedial measures" conducted by CWPRS,Pune during March,2007.

4. Contributed a topic on "Characterisation of Rock Material" for the published lecture notes during "Orientation Programme of NTPC Executives on Hydro Projects" conducted by CWPRS,Pune during December 2000