

## ER Sheet Data Entry Form

### **Basic Data**

#### Officer ID No. Details

Service	GSS	Cadre	Group A	Sub Cadre	Id No. Y140240000532	Employee Code 64
Select List Year (Allot Year)			1985			

#### Name Details:

Title	First Name	Middle Name	Surname	Initials	nil
Mr	ALEX	VARUGHESE	-		nil
Sex	<input checked="" type="radio"/> Male <input type="radio"/> Female	Date of Birth	15.08.1959	Date of Retirement	31.08.2019
Community			Religion	Christian	
Father's Name		K V Varghese			

#### Birth Details

Birth Place	Manjummel,	Birth State/UT	Kerala	Nationality	Indian
Birth District	Ernakulam	Mother Tongue		Malayalam	
Domicile	Kerala	Physically Handicap Status		nil	
Blood Group	O +	Identification Marks		A scar on right scapula	

#### Marital Details

Marital Status	Married	Spouse Name	SUSAN ALEX
Spouse Nationality	Indian		

#### Joining Details

Source of Recruitment	UPSC	Joining Date	10.12.1985	Retirement Details	31.08.2019
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#### Departmental Examination Details

Level	Year	Rank
1	Nil	
2		
3		

#### Remarks (if any)

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Language Known										
		Read			Write			Speak		
		1	English	yes	yes	yes	yes	yes	yes	yes
2	Hindi	yes	yes	yes	yes	yes	yes	yes	yes	
3	Malayalam	yes	yes	yes	yes	yes	yes	yes	yes	
4	Tamil	-	-	-	-	-	-	-	-	
5										
1										
2										
3										

Address Details					
Permanent Address	Kaloor villa, Koonamthai, Edapally P.O, Ernakulam Dist,			City	Kochi
	State/UT	Kerala	Pin Code	682024	
Present Contact Address	Flat No: 28, Sector-1, Pocket-2, Dwarka			City	Delhi
	State/UT	Delhi	Pin Code	110075	
	Phone (Off)	26563140-44	Fax.	26853108	
	Phone(Res)	25086752	Mob No	9868287821	
	E-Mail (Mandatory)	alexvarughese@gmail.com			

Qualification (Use extra photocopy sheets for multi qualifications, experience, training, awards details)					
Qualification 1		Discipline		Specialization 1	
M Tech		Rock Mechanics		Rock Engineering and Underground Structures	
Year	Division	CGPA		Specialization 2	
2010	I	8.55/10			
Institution		University		Place	Country
IIT Delhi		IIT Delhi		Delhi	India
Qualification 2		Discipline		Specialization 1	
BSc Engineering		Civil Engineering		Structural Engineering	
Year	Division	CGPA		Specialization 2	
1983	I	60.6 %			
Institution		University		Place	Country
NSS College of Engineering		Calicut University		Calicut, Kerala	India

Experience 1	
Type of Posting	Level
Permanent	Rs 6600 (GP)

Designation		Present Position			
<i>Scientist 'C'</i>		<i>Scientist 'C'</i>			
Ministry		Department			
<i>WR, RD &amp; GR</i>		<i>Central Soil and Materials Research Station</i>			
Office		Place			
<i>Central Soil and Materials Research Station</i>		<i>Hauz Khas</i>			
Experience Subject		Period of Posting			
Major	Minor		From	To	
<i>Investigation of River Valley Project in the field of Engineering Geophysics and Rock Mechanics</i>			<i>December 1985</i>	<i>September 2011</i>	
<i>Investigation of River Valley Project in the field of Engineering Geophysics and Rock Mechanics</i>			<i>September 2014</i>	<i>Till now</i>	
<b>Experience2</b>					
Type of Posting		Level			
<i>Deputation</i>		<i>Rs 6600 (GP)</i>			
Designation		Present Position			
<i>Senior Research Officer</i>		-			
Ministry		Department			
<i>Royal Govt. Of Bhutan</i>		<i>Punatsangchhu-II Hydroelectric Project Authority, Bhutan</i>			
Office		Place			
<i>Quality Control wing</i>		<i>Bajo, Bhutan</i>			
Experience Subject		Period of Posting			
Major	Minor		From	To	
<i>Quality Control of Hydro electric Projects</i>			<i>Sept 2011</i>	<i>November 2014</i>	
<b>Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject</b>					
<b>Training</b>					
Training Year	Training Name		Training Subject		
<i>1993</i>	<i>UNDFP Fellowship</i>		<i>Stress Measurement in Rock</i>		
Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)		
<i>Group B Gazetted</i>	<i>USBR Colarado &amp; University of Colorado Denver, USA</i>	<i>USA</i>	<i>Nathpa Jhakri, HP</i>		
Sponsoring Authority	Period of Training		Duration	Result	
<i>UNDP</i>	From	To	( in Weeks)	<input checked="" type="radio"/>	Qualified
	<i>March 1993</i>	<i>June 1993</i>	<i>12 weeks</i>	<input type="radio"/>	Not Qualified
<b>Awards</b>					
Type of Activity :		<input checked="" type="radio"/> Academic	<input type="radio"/> Non Academic		
Activity Area		Activity Subject		Activity Title	
<i>Best Paper award 2010</i>		<i>Case histories</i>		<i>IGS –AFCONS Biennial award</i>	
Day Month Year		Activity Description/Remarks		Level	

Dec	2012		
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**Publications given below**

Note: (i) Concerned 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.	

**TECHNICAL PUBLICATIONS**

1. Pankaj Kumar, Alex Varughese Haridev, Dr Rajbal Singh “*Subsurface characterization by Seismic Refraction Survey: A Case Study*“ conference on “Challenges and Barriers in Hydropower Development” on 18-19<sup>th</sup> September 2014 at Shimla “ by CBI&P.
2. Birendra Pratap, Alex Varughese, Haridev(2013) “*Seismic Refraction Survey for Site Investigation of Proposed Barrage at Jakhole District Kathua, Jammu and Kashmir*” 4<sup>th</sup> Indian Rock Conference INDOROCK 2013, held at JUIT, Wakanghat, H.P from 29-31 May 2013 pp 207- 213.
3. Pankaj Kumar, Alex Varughese, Deepak Sarvade, Nripendra Kumar(2013) “*Delineation of Bedrock using Seismic Refraction Survey for Sher Project, Madhya Pradesh*” 4<sup>th</sup> Indian Rock Conference INDOROCK 2013, held at JUIT, Wakanghat, H.P from 29-31 May 2013 pp 278- 285.
4. Alex Varughese, Ganesh .W. Rathod, Amit Srivastava, Dr K.S. Rao(2013) “*Dynamic Stability Anaylisis of Jointed Rock Slope Using UDEC*” 4<sup>th</sup> Indian Rock Conference INDOROCK 2013, held at JUIT, Wakanghat, H.P from 29-31 May 2013 pp 508- 517
5. Birendra Pratap and Alex Varughese(2012) “*Geotechnical Characterization for New Spillway at Kabrai Dam*” at IGC 2012 held at IITD 13-15 Dec2012 pp 163-166.
6. Ganesh W. Rathod, Alex Varughese, A. K. Shrivastava and K. S. Rao,(2012) “*3 Dimensional Stability Assessment of Jointed Rock Slopes Using Distinct Element Modelling*” authored by ASCE Geocongress 2012, State of the Art and Practice in Geotechnical Engineering, Oakland CA , USA March 25-29, 2012
7. Alex Varughese, Birendra Pratap and S.L. Gupta (2011) “*Subsurface Investigation by Seismic Refraction Survey on Bouldry Bed- A Case Study*” INDOROCK-2011. Third Indian Rock Conference by ISRM TT, 13-15 Oct. 2011, at IIT, Rorkee.
8. Alex Varughese, Pankaj Kumar and Nripender Kumar (2011) “*Seismic Refraction Survey A Reliable Tool For Subsurface Characterisation For Hydropower Projects*” IGC 2011, Kochi 15-17<sup>th</sup> Dec 2011

9. Alex Varughese, Ganesh W. Rathod, K.S. Rao (2011) "*Stability Analysis of Jointed Rock Slope Evaluated by 3DEC*" 12<sup>th</sup> International Congress on Rock Mechanics ISRM 2011. held on 19-22<sup>nd</sup> Oct 2011 at Beijing China.
10. Alex Varughese, Ganesh W. Rathod, Amit Srivastava and K.S. Rao (2011) "*Application of Numerical Modelling in Optimization of Jointed Rock Slope*" Slope Stability 2011 the International Symposium on Rock Slope Stability in Open Pit Mining and Civil Engineering, held at September 18-21, 2011 in Vancouver, Canada.
11. Alex Varughese, Ganesh W. Rathod and K. S. Rao (2010) "*3D Stability Analysis of Chenab Bridge Abutments*" at Indian Geotechnical Conference 2010 held at IIT Mumbai from 15<sup>th</sup> to 17<sup>th</sup> December 2010 Vol II pp 775-778.
12. Rajesh Khanna and Alex Varughese (2010) "*Applications of Non- Invasive Techniques for Site Investigations and Site Characterization of River Valley Projects*" at Indian Geotechnical Conference 2010 held at IIT Mumbai from 15<sup>th</sup> to 17<sup>th</sup> December 2010 Vol I, pp 65-68.
13. Book Chapter in "Harmonising Rock Engineering and the Environment", Rathod G.W., Varughese A. and Rao K.S. (2011) "*Stability Analysis of Jointed Rock Slope Evaluated by 3DEC*", Editor: Qihu Qian, Yingxin Zhou, CRC Press, ISBN: 9780415804448.
14. V.K Kapoor, Alex Varughese, Nripendra Kumar, haridev, KK Mishra, Deepak Sarwade, SK Khullar and Rajbal Singh (2007) "*Stress Measurement by Hydro fracturing and Deformability by Goodman Jack at Tala H.E Project, Bhutan*" International Workshop on Experiences Gained in Design and Construction of Tala Hydroelectric Project Bhutan, ISRMTT New Delhi 14<sup>th</sup> -15<sup>th</sup> June 2007, pp 129-138.
15. Alex Varughese , V.K Kapoor, Nripendra Kumar, Haridev, KK Mishra, Deepak Sarwade, SK Khullar (2007) "*Strength and Deformability Characteristics of Rock Mass at Honka Dam Site. Tala HE Project, Bhutan*" International Workshop on Experiences Gained in Design and Construction of Tala Hydroelectric Project Bhutan, ISRMTT New Delhi 2007, 14<sup>th</sup> -15<sup>th</sup> June 2007, pp 139-149.
16. Vinay Kumar, Alex Varughese and S.S.Brar (2007) "*Alignment of Power Channel by Seismic Refraction Survey –A Case Study* at Geotechnica 2007" Silver jubilee Conference of IGS Delhi Chapter, New Delhi 2007, pp 134-137.
17. Alex Varughese, Vinay Kumar, S.S. Brar and Manoj Kumar (2006) "*Foundation Characterisation by Cross Hole Tomography*" at Indian Geotechnical Conference, at IIT Chennai from 13<sup>th</sup> to 16<sup>th</sup> December 2006, pp 273-274.
18. Rajesh Khanna, Vinay Kumar, S.S.Brar, Alex Varughese and A.K. Dhawan (2005) "*Estimation of overburden at Asena quarry using GPR a case study*" Indian Geotechnical Conference IGC 2005 Ahmedabad.
19. Nripendra Kumar, Alex Varughese, VK Kapoor and Dr A.K Dhawan, (2004) In *situ* Stress Measurement and its Application for Hydroelectric Projects –an Indian Experience in the Himalayas- SINOROCK 2004 held at China.

20. Alex Varughese (2004) *Seismic Refraction Survey at Umtru H.E. Project Manipur –A case study* Training course on Geophysical Investigation for River Valley Projects held at (2004) CSMRS New Delhi and presented.
21. Rajesh Khanna, Vinay Kumar, S.S.Brar, Alex Varughese and A.K. Dhawan (2004) *Geoprobng of construction sites for speedy and trouble free construction –a case study-IGC 2004 Warangal.*
22. Nripendra Kumar, Alex Varughese, S.K Khullar and Dr A.K. Dhawan (2003) *Stress Measurement in Deep Drill holes at Pancheswar Multi Purpose Project- A Case Study----* Geomechanics and Ground Control held at CMRI 2003 and presented.
23. Rajeev Kumar, Alex Varughese and Dr. A.K. Dhawan (2003) “*Ground Vibration by Surface Compaction*”, Indian Geotechnical Conference 2003, IIT Roorkee.
24. Nripendra Kumar, Alex Varughese, S.K Khullar and Dr A.K. Dhawan (2003) *Measurement of In-situ Stress in Deep Drill Holes for a Hydroelectric Project-ISRMC Conference 2003 South Africa.*
25. S.S. Brar, Alex Varughese and Dr. A.K. Dhawan (2001) *Geophysical Investigation of Purulia Pumped Storage Project- Rock Site 1999, NIRM Bangalore and presented.*
26. Alex Varughese, Rajeev Kumar and A. K. Dhawan (1996), “*Laboratory Resistivity Testing of Coke Breeze Samples*”, 14<sup>th</sup> World Conference on Non-Destructive Testing at New Delhi from 8<sup>th</sup> to 13<sup>th</sup> December 1996.
27. Rajeev Kumar, Alex Varughese and A. K. Dhawan (1996), “*Geotechnical Investigations of Teesta H. E. Project (Sikkim) – a case study*”, Indian Geotechnical Conference – 96 at Madras, Tamil Nadu from 7<sup>th</sup> to 11<sup>th</sup> December 1996 and presented.
28. Nripendra Kumar, Alex Varughese, V.K. Kapoor and Dr A.K. Dhawan (1995 ) *Stress Measurement at Nathpa Jhakri Design and Construction of Underground Structures CSMRS New Delhi 1995 and presented.*
29. C.Krishnaiah, Alex Varughese, S.S. Brar and A. K. Dhawan (1990) *Geophysical Investigation of Aluminium Smelter Plant Project Orissa IGC 1990 Madras.*
30. Alex Varughese, S.S. Brar and A. K. Dhawan (1989) *Geophysical Investigation of Stilling Basin Area of Tehri Dam Roorkee1989.*