

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 &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>
Experience2			
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>
Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject			
Training			
Training Year	Training Name		Training Subject
1993	<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 & University of Colorado Denver, USA</i>	<i>USA</i>	<i>Nathpa Jhakri, HP</i>
Sponsoring Authority	Period of Training		Duration
<i>UNDP</i>	From	To	(in Weeks)
	<i>March 1993</i>	<i>June 1993</i>	<i>12 weeks</i>
			●
			○
			Qualified
			Not Qualified
Awards			
Type of Activity :		● Academic	○ 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 18-19th 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*” 4th 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*” 4th 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*” 4th 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 15-17th Dec 2011

9. Alex Varughese, Ganesh W. Rathod, K.S. Rao (2011) "*Stability Analysis of Jointed Rock Slope Evaluated by 3DEC*" 12th International Congress on Rock Mechanics ISRM 2011. held on 19-22nd 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 15th to 17th 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 15th to 17th 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 14th -15th 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, 14th -15th 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 13th to 16th 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*”, 14th World Conference on Non-Destructive Testing at New Delhi from 8th to 13th 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 7th to 11th 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 Roorkee*1989.

Detail 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
Central Soil and Materials Research Station	Scientist B	Research Officer at PHPA BHutan	Sept 2011	November 2014

Detail 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	Bhutan	October 1991	ARO	official	For Geophysical Investigation of Tala HE Project
2	USA	March 1993	ARO	Official	UNDP Fellowship
3	Bhutan	Sept 1994	ARO	Official	For Geophysical Investigation of Bunakha HE Project
4	Bhutan	September 1998	ARO	Official	For Rock Mechanics Investigation of Tala HE Project
5	Bhutan	November 1998	ARO	Official	
6	Nepal	2000	ARO	Official	For Insitu Stress measurement at PancheswarTala HE Project
7	France	December	ARO	Official	For training on Remote

		2004			Operated vehicle at M/s EcaHytec, France
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Transfer/posting details (if applicable) Nil

Place	Period of posting	
	Since	From

Name: Alex Varughese

Designation: Sc 'C'