

ER Sheet Data Entry Form

Basic Data

Officer ID No. Details

Service	GSS	Cadre	Ministry of Water Resources, River Development and Ganga Rejuvenation	Sub Cadre	Central Soil and Materials Research Station	Id No.: Y130240017 918	Employee Code : 00042 of CSMRS
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Select List Year (Allot Year) **28th March, 2013**

Name Details

Title	First Name	Middle Name	Sur Name	Initials	N. V. Mahure
	Nilkanth	Vithalrao	Mahure		
Sex	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	Date of Birth	03/08/1961	Date of Retirement	31/08/2021
Community	Scheduled Caste		Religion	Hindu	
Father's Name	Late Sh. Vithalrao Karkaji Mahure				

Birth Details

Birth Place	Anjangaon (Surji)	Birth State/UT	Maharashtra	Nationality	Indian
Birth District	Amravati	Mother Tongue	Marathi		
Domicile	Maharashtra	Physically Handicap Status	No		
Blood Group	O⁺	Identification Marks	Red mole on right chin		

Marital Details

Marital Status	Married	Spouse Name	Sunita N. Mahure
Spouse Nationality	Indian		

Joining Details

Source of Recruitment	Through UPSC competition examination	Joining Date	16/08/1990	Retirement Details	31/08/2021
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Departmental Examination Details : **N.A.**

Level Year Rank		
1		
2		

Remarks (if any)

Language Known

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Indian Languages Known	Read		Write		Speak	
	1	Marathi	✓	✓	✓	✓
2	Hindi	✓	✓	✓	✓	✓
3	English	✓	✓	✓	✓	✓
Foreign Lang. Known	1					
Address Details						
Permanent Address	Anjangaon (Surji), District-Amravati			City	Anjangaon (Surji)	
	State/UT	Maharashtra	Pin Code	444705		
Present Contact Address	47-B, First Floor, Arjun Nagar, Safdarjung Enclave			City	New Delhi	
	State/UT	Delhi	Pin Code	110029		
	Phone (Off)	26581372	Fax.	26853108		
	Phone(Res)	26717096	Mob No	9891108960		
	E-Mail (Mandatory)	nvmahure@nic.in				

Qualification (Use extra photocopy sheets for multi qualifications, experience, training, awards details)

Qualification		Discipline		Specialization 1	
B.E.		Civil Engineering		Concrete Technology	
Year	Division	CGPA		Specialization 2	
1987	Second				
Institution	University	Place	Country		
Government Collage of Engineering	Nagpur University	Amravati	India		
Experience					
Type of Posting			Level		
Permanent			Deputy Secretary		
Designation			Present Position		
Scientist-D			Scientist-D		
Ministry			Department		
Ministry of Water Resources, River Development and Ganga Rejuvenation			Central Soil and Materials Research Station		
Office			Place		
Central Soil and Materials Research Station			New Delhi		
Experience Subject			Period of Posting		
Major		Minor		From	To
- Concrete Technology		- Analysis of construction materials		16/08/1990	27/3/2013
- Diagnostic Investigations of					

Concrete Structures	- Concrete mix design - Alkali aggregate reaction - Non-destructive testing of concrete structures	28/03/2013	Till date
Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject			

Training: Nil					
Training Year		Training Name		Training Subject	
Level		Institute Name, Place		Field Visit Country	Field Visit Place (within India)
Sponsoring Authority		Period of Training		Duration	Result
		From	To	(in Weeks)	<input type="radio"/> Qualified
					<input type="radio"/> Not Qualified
Awards/Publications					
Type of Activity :			<input checked="" type="radio"/> Academic		<input type="radio"/> Non Academic
Activity Area		Activity Subject		Activity Title	
Concrete Technology, Diagnostic Investigations of Concrete Structures and other Civil Engineering related activities		List of publications since last 5 years is enclosed as Annexure I			
Day	Month	Year	Activity Description/Remarks		Level

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 : **10/07/2015**

Place : **New Delhi**

Signature of Officer

Information checked and verified - by

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

Additional Information

Detail of deputation (If applicable) - **- N.A.-**

Name of the office	Post held at that time in parent office	Name of post (selected for deputation)	Period of deputation	
			Since	From

Detail of foreign Visit - **N.A.-**

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 details (if applicable) - **N.A.-**

Place	Period of posting	
	Since	From

Name: **N. V. Mahure**
Designation: **Scientist D**

Publication of Research Papers and Monographs for the period 2010-2011

1. **Mahure N.V.** and Ratnam Murari (2010), "Repair and Rehabilitation of Structures", published in Civil Engineering and Construction Review, Vol. 23, No. 05, May 2010, PP 72-80
2. **Mahure N.V.**, Md. Khadar Basha and Ratnam Murari " Monograph on retrofitting of structures in earthquake prone areas", CSMRS publication (2010-11).
3. Sharma S.N., Sharma Pankaj, **Mahure N. V.**, Vijh G.K., Sivakumar N, Ratnam Murari, "Acid mine drainage- its detection, detrimental impact and remediation" International Conference on "Sustainable water resources management and climate change adaptation" organised by National Institute of Technology, Durgapur, West Bengal during Feb., 2011.
4. Sharma Pankaj, **Mahure N. V.**, Sivakumar N, Ratnam Murari, "Impact of water quality on large concrete structures and their remediation using polymeric/ pozzolanic composite materials" National Conference on "Functional Materials" Jodhpur, 11-12 Feb., 2011.

Publication of Research Papers and Monographs for the period 2011-2012

1. Sharma Pankaj **Mahure N. V.** and Ratnam Murari "Application of multistage triaxial shear test to evaluate strength of rockfill material", International Conference on Advances in Civil Engineering-2011, Guntur, 21-23, October, 2011
2. **Mahure N. V.**, Sharma Pankaj Vijh G. K., Ratnam Murari "Correlation between pulse velocity and compressive strength of concrete", International Conference on Advances in Civil Engineering-2011, Guntur, 21-23, October, 2011.
3. Sharma Pankaj **Mahure N. V.**, Sivakumar N., "Influence of different stress condition on Behaviour of rockfill materials", International Conference on Advances in Civil Engineering-2011, Guntur, 21-23, October, 2011.
4. Sharma Pankaj **Mahure N. V.** and Ratnam Murari, (2011) "Influence of Different Stress Conditions on Behaviour of Rockfill Materials", **International Journal** of Geotechnical and Geological Engineering.
5. Ratnam Murari and Mahure N V, "Use of flyash in hydro sector for mitigating durability problems", National Conference on Flyash by Centre for Flyash Research and Management (C-FARM), ITC, Kakatiya, Hyderabad, 5-7th December, 2011, pp. VII 3.1-3.14
6. Sharma Pankaj Vyas Sameer, Mahure N. V., Anand Beena, Ratnam Murari, (2011) "Change in Geotechnical Properties of High Plastic Soils on Exposure to Acid Rains of Varying Strength" , **International Journal** of Research in Chemistry and Environment.
7. Sharma Pankaj, Mahure N. V., Vyas Sameer, Sharma S. N., Rustagi Anil, Sivakumar N. and Ratnam Murari, (2011) "Acid mine discharge – Challenges met in a hydro power project" **International Journal** of Environmental Sciences.
8. Vyas Sameer, Sharma S N, Sharma Pankaj, Mahure N V, Vijh G K, Sivakumar N, and Ratnam Murari, "Gauging the Detrimental Impacts of Acid Mine Drainage on the Concrete, Reinforcement and Hydro Power Producing Equipments in a Hydro Electric Power Project" Journal of Civil Engineering and Construction Review (CE&CR), June 2011. Pp 90-97.
9. Sharma Pankaj Vyas Sameer, Mahure N. V., "Effect of acid rain on geotechnical properties of soils of high and low plasticity", International Conference on Advances in Civil Engineering-2011, Guntur 21-23, October, 2011.
10. Vyas Sameer, Kaushal Manorama, M.Tech Student, Sharma Pankaj, Mahure N. V. and Shivakumar N., "Falling ice blocks from sky- a case study" International Journal of Research in Chemistry and Environment, Volume 2, January 2012.
11. Vyas Sameer, Kaushal Manorama, M.Tech Student, Sharma Pankaj, Mahure N. V., Shivakumar N. and Ratnam Murari, "Effect of the intensity of the acid rain on the geotechnical properties of soils of different plasticity" International Journal of Materials Science, Bhopal Volume 8, No. 2 pp285-271, February, 2012
12. Kachhal Prabhakar, Pankaj Sharma, Sameer Vyas³, N. V. Mahure⁴, Murari Ratnam⁵ "Assessment of cracks using percolation dye tests in Rihand concrete dam, Uttar Pradesh, India" Int. Journal of Applied Sciences and Engineering Research, Vol. 1, No. 1, 2011

13. Sharma Pankaj, Kachhal Prabhakar, Beena Ananad, Vyas Sameer, Manorama Kaushal, Mahure N.V, Murari Ratnam, "Monitoring the contamination in the Gobind Ballabh Pant Sagar, Rihand, U.P. India" International Journal Of Environmental Sciences Volume 3, No 1, 2012
14. Pankaj Sharma, Sameer Vyas, N.V.Mahure, R.P.Pathak and Devender Singh, "Acidic Precipitation: An Emerging Cause of Variation in the Engineering Properties of Soils" Journal of Environmental Science, Computer Science and Engineering & Technology JECET; September-November, 2012; Vol.1, No.3, 388-394

Publication of Research Papers and Monographs for the period 2012-2013

1. Vyas Sameer, Sharma Pankaj, Kaushal Manorama, Mahure N. V., Shivakumar N., Prof. Kumar Ranjan and Ratnam Murari, "Understanding the effect of acid rain on physic-chemical and engineering properties of black cotton soil" International Journal of Environmental Sciences, Vol 2 No. 3, 2012, pp. 1291 - 1301.
2. Singh Devender, Vyas Sameer, Sharma Pankaj, Pathak RP, Mahure N. V. and Vidyarthi U S, "Influence of acidic precipitation on physic-chemical and engineering properties of soil of medium plasticity from Assam" International Journal of Environmental Sciences, Vol 1 No. 1, 2012, pp. 41-50.
3. Vyas Sameer , Pathak RP, Sharma SN, Prabhakar Kachhal, Sharma Pankaj, Vijh GK, Mahure NV, Ratnam Murari, "Health monitoring of hydro electric projects in Himalayan region – case study" presented in Seminar on the subject " Dams and Spillways in Himalayan Regions" to be organised by Water Resources Department of BIS, New Delhi at New Delhi on 30th November 2012.
4. Vyas Sameer, Kachhal Prabhakar, Sharma Pankaj, Mahure N. V., Kumar Rajeev and Ratnam Murari, "Post construction health monitoring of a concrete dam exposed to aggressive environment" All India seminar on "Repair and Rehabilitation of Concrete Structures organized by Institution of Engineers local centre Nagpur during 5th & 6th November, 2012
5. Vyas Sameer, Sharma S.N, Kachhal Prabhakar, Sharma Pankaj, Mahure N. V., Kumar Rajeev and Ratnam Murari, "Effect of acidic environment on the health and efficiency of hydro power project" All India seminar on "Repair and Rehabilitation of Concrete Structures organized by Institution of Engineers local centre Nagpur during 5th & 6th November, 2012.
6. Kumar Lal Babu, Kumar Rajeev and Mahure N. V. "Repair and rehabilitation of concrete structures" All India seminar on "Repair and Rehabilitation of Concrete Structures organized by Institution of Engineers local centre Nagpur during 5th & 6th November, 2012
7. Sharma Pankaj, Vyas Sameer, Pathak R. P., Mahure N. V., Kumar Rajeev and Ratnam Murari, "Detection of fluoride contamination in the surface and sub-surface water near thermal power station", International journal of Engineering and Science, Vol. I, Issue 1, 2012 pp 18-21
8. Pathak R P, Sharma Pankaj, Vyas Sameer, Mahure N. V., and Ratnam Murari, "Gauging the influence of aggressivity of water On the long term sustainability of hydro power Structures – a review", CHEMCON-2012, NIT, Jalandhar, Dec., 2012
9. Kachhal Prabhakar, Sharma Pankaj, Vyas Sameer, Mahure N. V., and Ratnam Murari, "Effect of Chemical Environment on the Health and Efficiency of Hydro Power Project –A case Study", CHEMCON-2012, NIT, Jalandhar, Dec., 2012
10. Sharma S. N., Sharma Pankaj, Vyas Sameer, Mahure N. V., and Ratnam Murari, "Alternative Measures to be Adopted for combating Acidic Environment for the Durability of a Concrete for a Hydro Electric Project-A Case Study", CHEMCON-2012, NIT, Jalandhar, Dec., 2012
11. Sharma Pankaj, Vyas Sameer, Mahure N. V., Pathak R P, Gupta S. L. and Ratnam Murari, "Economic and ecological impact of bottled mineral water – a case study on its supply by Indian Railways Catering and Tourism Corporation in some important trains", International Journal of Environmental Engineering Research, Vol 1, Issue 3, 115-119.

TECHNICAL PAPER 2013 - 2014

1. Pathak RP, Munzni B K, Sharma Pankaj, Mahure N. V., Vyas Sameer and Ratnam Murari, "Estimation of Fire Damage to Concrete Structure- A case study" International Journal of Engineering Sciences, 2(4) April, 2013, pp 130-136.
2. Mahure N V and Ratnam Murari, "Repair and rehabilitation of hydraulic structures" Conference Dam India 2013, 22-23 May, 2013, CBIP, New Delhi
3. Sharma Pankaj, Mahure NV, Gupta SL, Dhanote Sandeep, Singh Devender, "Estimation of Shear Strength of Prototype Rockfill Materials" , International Journal of Engineering Sciences Vol (2), No (8) pg 421-426
4. Research paper entitled "Corrosion monitoring of reinforcement in underground Galleries of Hydro Electric Project" Authored by N.V.Mahare,R.P.Pathak, Sameer Vyas, Pankaj Sharma, S.L.Gupta was published in an International Journal of Engineering Research in an International Journal of Engineering Research and Application , ISSN : 2248-9622, Vol.3,Issue 5, Sep-Oct 2013,pp.1087-1090.
5. Research paper entitled "Concrete exposed to hot water springs – it's designing and monitoring post construction performance – A case study authored by Kachhal Prabhakar, Sharma Pankaj , Pathak R.P, Vyas Sameer, Mahure N.V, Murari Ratnam was published in an international Journal of civil and structural engineering Volume 4,No2,2013,ISSN 0976-4399
6. Research paper entiteled " Effect of Aggressive Chemical Environment on Durability of Green Geopolymer Concrete" Authored by Netu Singh, Sameer Vyas, ,R.P.Pathak,Pankaj Sharma N.V.Mahare, S.L.Gupta was published in an international Journal of Engineering and Innovative Technology (IJEIT) Vol. 3, Issue 4, October 2013 ISN:2277-3754
7. G.V.Ramana, Malsani Potharaju, N. V. Mahure and Murari Ratnam, "Study on long Term Strength Development and durability of Multi Blended Concretes Containing Fly ash and Silica Fume", International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 12, December 2013.
8. S. N. Sharma, Pankaj Sharma, R. P. Pathak, Sameer Vyas, N. V. Mahure and S. L. Gupta, "Health Monitoring of Reinforcement in Concrete Piers in a Barrage Project" , International Journal Of Modern Engineering Research (IJMER), Vol. 4, Iss. 1, Jan. 2014, pp 1-8.
9. NV Mahure, Pankaj Sharma, Sameer Vyas, RP Pathak, SL Gupta, "Assessment of long term durability consideration of concrete in a hydroelectric project using portable ultrasound non-destructive digital indicator tester" , International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 1, January, 2014
10. U.S. Vidyarthi, NV Mahure, Pankaj Sharma, GK Vijh, SK Dwivedi and SL Gupta, "Structural assessment of concrete piers in a barrage project by testing extracted concrete cores", International journal of emerging technology and advanced Engineering, Vol. 4, Issue 1, January, 2014 Pp. 174-178
11. GK Vijh, Pankaj Sharma, NV Mahure, SK Jain Sameer Vyas and SL Gupta, "Structural assessment of concrete piers in a barrage project using portable ultra sound non destructive digital indicator tester" International journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 1, January 2014, pp 303 – 307
12. R. P. Pathak, Sameer Vyas, Pankaj Sharma, N. V. Mahure and S. L. Gupta, "Post construction diagnosis of reinforcement in the element of hydroelectric project" International journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 1, January 2014, pp 8149- 8155
13. Raj Kumar, A.N.N. Prasad, N. V. Mahure, Pankaj Sharma, S. L. Gupta & Murari Ratnam, "Concreting at Low Ambient Temperatures at Salma Dam Project Afghanistan - A Case Study" International Journal of Emerging Technology and Advanced Engineering,(IJETA), Volume 4, Issue 2, Pg 916-920,February 2014
14. Research papers entitled "Applications of Environmental Friendly Chemicals in Water Conservation" by Sameer Vyas, Pankaj Sharma, NV Mahure and SL Gupta presented in a national

seminar on pure and applied chemical sciences NSPACS organized by Dept. of Chemistry, JNV University, Jodhpur held on Jan. 10-11

15. Gupta S L, Mahure N V, Sharma Pankaj and Ratnam Murari, "Raising mass awareness in respect of intrinsic and extrinsic interaction of water with concrete- a mandatory approach for enhancing durability of concrete" International journal of Multidisciplinary Educational research, Vo. 3, Issue 2 (3), 2014 (IF 2.735)

Technica Papers 2014-15

1. Vyas Sameer, Singh Neetu, Sharma Pankaj, Pathak RP, Mahure N. V. and Gupta S.L., "Behaviour of alkali activated fly ash based geopolymer concrete on thermal activation", International journal of Civil Engineering and Technology (IJCIET), Vol. 5, Issue 4, April, 2014, pp. 28-36 (Journal Impact Factor : 7.929)
2. NV Mahure, Pankaj Sharma, Sameer Vyas, Anil Kumar Rustagi, Bimal Kumar Munzani, Murari Ratnam, "Assessment of aging deterioration of concrete using portable ultra sound non destructive digital indicator tester" an International Journal of Engineering Innovativion & research Volume 3, Issue 3, 2014 pp 321-325
3. NV Mahure, US Vidyarthi, Pankaj Sharma, Sameer Vyas, Anil Kumar Rustagi, SL Gupta "Effect of dimensional variation of test section on performance of portable ultrasound non destructive digital indicator tester in assessment of status of concretet" an International Journal of Modern engineering research, IJMER Vol 4, Issue 6, June, 2014, pp. 20-27
4. Dhanote Sandeep, Sharma Pankaj, Mahure N V, Pathak R P, Vyas Sameer, Gupta SL and Murari Ratnam, "जल संरक्षण जन जागरण अभियान हेतु कुछ नवीनतम दृष्टिकोण-आज की जरूरत" International Journal Of Multidisciplinary Educational Research (Impact Factor - 2.735; IC value:5.16) Volume 3, Issue 5(3), May, 2014
5. G.V.Ramana, Malasani Potharaju, N. V. Mahure and Murari Ratnam, "Abrasion resistance of multi blended concrete mixes containing fly ash and silica fume" International Journal of Engineering Science and Technology (IJEST), Vol. 6 No.6 Jun 2014, pp 388-395
6. Mahure N V, Sharma Pankaj, Vyas Sameer and Dwivedi S K, " Performance of portable ultrasound non-destructive digital indicator tester in assessment of status of concrete along different orientations" International Journal of Emerging Trends in Engineering and Development, Issue 4, Vol. 5, Aug-Sept, 2014 P112-118
7. Gupta S.L, Sharma Pankaj, Mahure N. V. , Vyas Sameer and Pathak RP, " Non destructing techniques- efficient tool for diagnosis of aging effect in concrete structures exposed to aggressive environment" International Journal of Application and Innovation in Engineering Management (IJAIEM), Vol.3, Issue 2, Sep-14, pp111-116.
8. Key note paper titled "Geotechnical investigations under DPR for multipurpose project" by Murari Ratnam and N V Mahure, presented in Conference on challenges and Barriers in Hydro Power developments, 18-19th September, 2014 organised by CBIP at Shimla.
9. Sameer Vyas, Pankaj Sharma, NV Mahure and SL Gupta "Assessment of variation in the geotechnical properties of soils on exposure to acidification for safe design and post construction maintenance" Indian geotechnical conference IGC-2014 organized by Indian Geotechnical Society, Kakinada Chapter and Jawaharlal Nehru Technological University, Kakinada,(AP) held from 18-20 Dec. 2014.
10. Sameer Vyas, Neetu singh , R.P.Pathak, Pankaj Sharma and N.V. "Study on Development of Flyash based Geopolymer Concrete and Evaluating its Strength and Durability Properties under Aggressive Environment" ICDC-2014- International congress

on durability of concrete organized by Indian concrete institute and Norwegian concrete association Dec.2014 at New Delhi.

11. N.V.Mahure, Sameer Vyas, R.P.Pathak, Neetu singh and Pankaj Sharma, “Health Monitoring in Mass Concrete Structures Using Non Destructive Techniques” ICDC-2014- International congress on durability of concrete organized by Indian concrete institute and Norwegian concrete association Dec.2014 at New Delhi.
12. Murari Ratnam, N. V. Mahure and Pankaj Sharma “Studies Undertaken For Stability Analysis Of Mulla Periyar Dam Tamil Nadu/ Kerala” Indian geotechnical conference IGC-2014 organized by Indian Geotechnical Society, Kakinada Chapter and Jawaharlal Nehru Technological University, Kakinada,(AP) held from 18-20 Dec. 2014.
13. Murari Ratnam, N. V. Mahure and Pankaj Sharma, “Thrust Areas of Research in Water resources Projects”, research and applications – how to bridge the gap? , Workshop during India Water Week 2015, Water Management for Sustainable development, 14th to 17th January, Pragati Maidan, New Delhi
14. Raj Kumar, N.V. Mahure, Rajeev Gupta, P. K. Jha, S.L. Gupta, Murari Ratnam, ”Measures adopted to safeguard durability of concrete due to acidic environment in hydro electric project - A case study” International Journal of Innovative Research in Advanced Engineering (IJIRAE) Issue 2, Volume 2 (February 2015), pp-213-219
15. Murari Ratnam and N. V. Mahure, “Minimizing the risk of alkali-aggregate reaction in concrete using admixtures” All India Seminar on New Developments in use of Alternative Materials for Concrete, AMCON 2015, Indian Concrete Institute (Nagpur Centre), 13-14 March, 2015, Nagpur
16. Murari Ratnam, N. V. Mahure and Pankaj Sharma, “Use of pozzollanic materials for minimizing the risk of alkali-aggregate reaction in concrete” First National Dam Safety Conference, CWC, TNWRD and IITM, 24 - 25 March, 2015, Chennai.

PUBLISHED RESEARCH PAPERS 2015-2016

1. Raj Kumar, N. V. Mahure, Rajeev Gupta, P. K. Jha, S. L. Gupta and Murari Ratnam (2015), “Establishing the correlation between compressive strength of small sized wet screened concrete cubes and full size large concrete cubes for mass concrete of dam” International Journal -----
2. N. V. Mahure, Vikash Vashisth, Shilpa Pal, Sameer Vyas and Pankaj Sharma (2015), “Impact of high temperatures on multiblended concretes”, International Research Journal of Engineering and Technology (IRJET), Volume- 02 Issue – 02, May-2015, pp-563-570.