



भारत सरकार
Government of India
केन्द्रीय जल आयोग
CENTRAL WATER COMMISSION
प्रशिक्षण निदेशालय
Training Directorate

No. 5/98/2017-Trg/7914-8114

Dt. 12.12.2017

विषय: Workshop on "Flow-3D(R) CFD software for Dam Breakage analysis and other applications in Water and environmental" at Computer room, CWC Library Building, R.K. Puram, New Delhi during 11-12 December, 2017 reg.

Please find enclosed herewith a copy of the letter/ brochure on the above subject. It is requested that suitable nomination from **AD and above** if any, may be forwarded to this office with the approval of the Concerned Member/ Chief Engineer (HRM) in respect of HRM Unit/ Chief Engineer, NWA, CWC, Pune in respect of NWA Unit positively by **07.12.2017**. A copy of the Bio data of the nominated officers may also be enclosed along with the nominations indicating the number of events so far attended by them.

It is for information that nominations received after the stipulated date will not be considered and also nominations once approved by Chairman, CWC, will not be allowed to be withdrawn.

संलग्नक : यथोक्त

रवि भूषण कुमार
(रवि भूषण कुमार)
निदेशक (प्रशिक्षण)

1. PPS to Chairman, CWC, New Delhi.
2. PPS to Member D&R/RM/WP&P, CWC, New Delhi.
3. All Chief Engineers, Central Water Commission.
4. Director, D&RC, RMCD, WP&PC CWC, New Delhi.
5. Secretary/ Director (TC), CWC, New Delhi.
6. All Directors/ Superintending Engineers, Central Water Commission.
7. J.E.(Trg), CWC, New Delhi to upload this circular on CWC website www.cwc.nic.in/intranet portal.

Subject: **Re: Fw: Flow-3D(R) CFD software for dam breakage analysis and other applications in water and environmental.**

Date: 05/12/17 02:51 PM
From: Director <smdte-cwc@nic.in>

CWC Training Dte <trngdte@cw.cdelhi.nic.in>
Cc: S D Sharma <sdsharma.95@gmail.com>,
"smdte@nic.in" <smdte@nic.in>

smdte-cwc.vcf (316bytes)

Sir,

Request for organising the training on Flow 3D software has been received in this office from the BCD(E&NE) Office.

It was requested to confirm the availability of hardware and software details for Flow 3D software required for organising the workshop during 11-12 Dec 2017.

In the computer lab at Library Building, there is sufficient infrastructure available as per the requirements enumerated in the trailing email.

Now, Training Dte is requested to take necessary action for organising the training on Flow 3D software during 11-12 Dec 2017 in consultation with BCD(E&NE) Dte.

Thanks and Best Regards

O/o Director
Software Management Directorate
Central Water Commission
Ministry of Water Resources, RD & GR

Recommendations for hardware & software details for installations (For Work Shop)

On 12/04/17 11:34 AM, **Sameer Shukla** <sameerkshukla@yahoo.com> wrote:

SAMIR KUMAR SHUKLA
DIRECTOR,
BARRAGE AND CANAL DESIGN (E&NE)
&
DAM SAFETY MONITORING DIRECTORATE,
CENTRAL WATER COMMISSION,
R K PURAM
NEW DELHI

On Thursday, November 30, 2017 7:25 PM, SENDIL KUMAR K <sendil@kaushiksinternational.com> wrote:

Mr. Samir Kumar Shukla,
Director,

+919419216356;

Dear Sir,

This refers to our telephone discussion had today evening regarding workshop on "Water & Environmental" applications. Thanks for confirming the dates for workshop on 11th & 12th Dec 2017. As discussed we shall request for the **FLOW-3D** licenses from Flow Science Inc., USA.

A. For issuing license we require following details,

- 1) Number of Participants for the workshop
- 2) Number of computers available for installation of **FLOW-3D**
- 3) Are the computer network linked?

B. Recommendations for hardware & software details for installations (For Work Shop)

- 1) Windows OS: 7, 8, or 10 operating System
- 2) Atleast 2GB of hard-drive space on C: for installation
- 3) sufficient hard-drive space for working on projects.
- 4) RAM atleast 2-4GB

C. Hardware Recommendation if CWC acquires permanent license,

- 1) Windows OS: 7, 8, or 10 operating System
- 2) Standard FLOW-3D license has capabilities to utilize up to 32 core processors. So maximum 32 core computer will be best for faster simulation. But user can have workstation with lesser number of cores.
- 3) As rule of thumb for 1 single core processor atleast minimum 2-3GB of RAM is recommended. More the RAM more memory will be available.
- 4) Hard drive depends on the type of simulation projects, workstation will have provision to extend additional hard drive space.
- 5) Recommend Nvidia Quadro M or K series Graphics card for better visualizing of post-processor.
- 6) Good power backup is required for uninterrupted power supply. (UPS backup)

Please let us know if you require any additional details.

We look forward for the required details from you for arranging the licenses.

Best Regards,

SENDIL KUMAR K
General Manager

cid:image001.png@01CF0BF4.11001EA0**KAUSHIKSINTERNATIONAL**

Regd. Address: #454, 1st Cross, 1st Stage, Indiranagar, Bangalore-560038

Office & Works: #3407, 2nd Cross, 10th Main, 2nd Stage, Indiranagar, Bangalore-560038

Ph: +91-80-25292717 | Cell: +91-9900182724

E-mail: sendil@kaushiksinternational.com; sendil.flow3d@gmail.com;

www.kaushiksinternational.com

On Tuesday, 28 November 2017 3:56 PM, SENDIL KUMAR K <sendil@kaushiksinternational.com> wrote:

Mr. Samir Kumar Shukla,
Director,
+919419216356;

Dear Sir,

This refers to our telephone discussion had on 24th Nov 2017 regarding **FLOW-3D** CFD Software hands-on workshop for "Water & Environmental" applications at CWC on 11th or 12th of Dec 2017. We request you to confirm your suitability, convenience and number of participants so that we can request Flow Science Inc. USA for licenses.

We look forward for your confirmation on date and participants for the workshop.

Best Regards,

SENDIL KUMAR K
General Manager

cid:image001.png@01CF0BF4.11001EA0**KAUSHIKSINTERNATIONAL**

Regd. Address: #454, 1st Cross, 1st Stage, Indiranagar, Bangalore-560038

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E-mail: sendil@kaushiksinternational.com; sendil.flow3d@gmail.com;

www.kaushiksinternational.com

On Thursday, 16 November 2017 4:43 PM, Dr. B. Ravindran <kiblr.intl1@gmail.com> wrote:

Mr. Samir Kumar Shukla,
Director,
+919419216356;

Dear Mr. Samir Kumar Shukla,

This refers to our discussion regarding visit of experts from Flow Science Inc. USA for the International Dam Safety Conference. Flow Science Inc is making due registration for presentation of technical paper.

We want to conduct a seminar at CWC after the international conference with the experts from Flow Science Inc. Please let us know your convenient date with requirements if any for Flow Science Inc, to focus.

I have just now sent a mail to Mr. S.D. Sharma for the convenient date and number of licenses required for the hands on session with Flow-3D. This can be conducted by us from Kaushiks International.

We look forward to hear from you.

Regards,

Dr. B. Ravindran Ph.D.
PRESIDENT