Group photo of Trainee Scientific Officers with dignitaries after the Graduation Function.

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N.9: Trade Apprenticeship Scheme at RRCAT

Trade Apprenticeship Scheme at RRCAT (TASAR), has imparted valuable practical training to almost 140 apprentices since its commencement in the year 2018. Suitable ITI qualified candidates are selected as trade apprentices on the basis of merit list prepared by taking into account percentage of marks scored in both ITI and 10th class. Apprentices in various trades are given access to the engineering infrastructure under the guidance of experienced engineers and technicians for enhancing their practical skills. This scheme is helping the organisation by providing semi-skilled technical manpower.

Recently, fifth batch of apprenticeship has joined RRCAT under various trades, which also include non-engineering trades of COPA and secretarial assistant. Total 62 apprentices have joined in November and December 2022 and have been placed in different Divisions and Sections as per the requirements previously given by them.

Earlier, the fourth batch of TASAR had successfully completed the apprenticeship on 30th September 2022. A warm send-off was given to the apprentices by organizing the Valedictory Function on that day. Dr. S. V. Nakhe, Director, RRCAT and Shri Purushottam Srivastava, Director, PAG graced the occasion. Shri Bhupinder Singh delivered the welcome address and Shri Bharat Kumar Rawlani Head, EE & ACS, CSD briefly described the activities of the TASAR program. Shri Purushottam Srivastava congratulated the apprentices and appreciated the program for making the apprentices technically skillful. This was followed by distribution of certificates to 19 apprentices who successfully completed the apprenticeship. Following that, Dr. S. V. Nakhe congratulated and encouraged the apprentices to be disciplined, hardworking and positive to achieve success in their journey ahead. TASAR apprentices Kum. Raksha and Shri Utkarsh Singh shared their experiences on apprenticeship. At the end, Smt. Bhavna N. Merh proposed the vote of thanks. Comparing of the event was done by Shri Alkanj Shukla of Recruitment Cell.

Some of the apprentices of previous batch have been placed in prestigious organizations like NFC, Hyderabad, NISER, Bhubaneshwar, RCI, DRDO, Hyderabad and DCSEM, DAE, Mumbai. The recruited apprentices have acknowledged that the technical skills acquired at RRCAT helped in performing well in the skill test stages of the recruitment process.

Valedictory Function of TASAR Fourth Batch.

Increase of stipend from ₹ 7,750/- to ₹11,600/- per month has made the scheme further attractive for the future applicants who would like to join the apprenticeship in RRCAT. Existing hostel facility in RRCAT guest house has been provided to the 14 female apprentices of the 5th batch while male apprentices have been temporarily provided shared accommodation in vacant B-type quarters.

Apprentice performing electrical wiring of laser power supply.

Apprentice performing welding jobs at Design & Manufacturing Technology Division.

A separate hostel building has been constructed entirely for female TASAR apprentices. Efforts are being made to furnish the dormitory accommodation. Efforts are also being made to create hostels for male apprentices by repurposing existing infrastructure.

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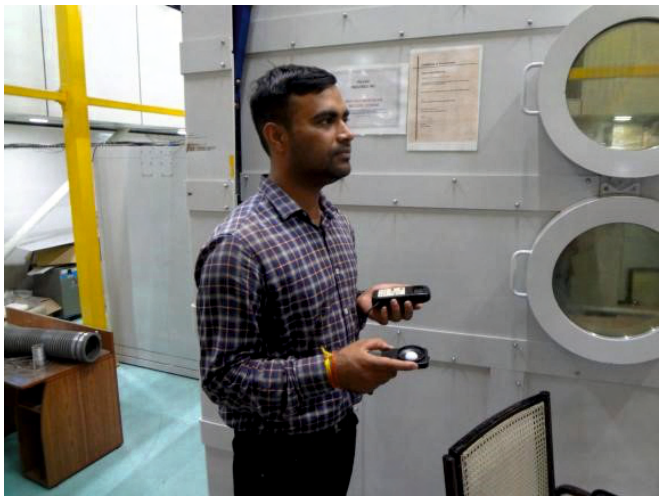
N.10: Industrial and radiation safety in RRCAT

The Fire and Safety Section, RRCAT is putting efforts for a safe work environment to prevail in the Centre. The important activities carried out during this period are:

Illumination survey in RRCAT: Illumination Survey or Light Assessment survey in workshops is conducted to check the intensity of light in the high bay or working area. This survey is done to access the High-Intensity Bright Light, Glare, Low-Intensity Light, or Flickering Light, in order to avoid potential hazards and evaluation of risks to improve employee safety.

Sufficient and optimum lighting arrangement has a major impact on the performance and efficiency of the employees at the workplace. It helps them to read labels and safety instructions clearly without any hurdles. Therefore it is essential that the appropriate intense light must fall on the desks or work areas of the employees. To ensure good lighting a regular survey is being conducted by the fire and safety section of RRCAT using a lux meter.



Illumination level survey in workshop.

Noise Level Survey: A noise level survey is conducted for occupational hygiene purposes, the sound pressure level is measured to determine noise exposures. Measuring noise levels and technician's noise exposures is essential in workshop and process plant buildings. It helps in identifying the work locations where there are noise problems and where additional noise measurements need to be made. This data also helps to determine appropriate noise control measures that need to be put in place.

The employees may be exposed to noise levels that can cause hearing loss.

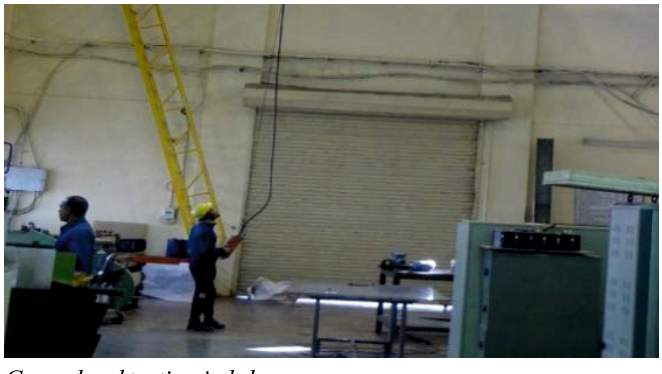
A regular noise level survey is being conducted by the Fire and Safety Section in various buildings and laboratories of RRCAT.

Nosie level survey in workshop.

Other developmental activities:
1. Laser R & D Block-I building has been equipped with fire detection & alarm system and its all signals are communicated and displayed at fire control room with the help of RS-485 communication. All commands are also executed with panel and industrial PC installed at fire control room.
2. Planning and layout work was done for the installation of Fire Detection & Alarm System at Incubation Centre building of RRCAT.

Maintenance of EOT Cranes and Hoists installed in RRCAT: An Annual maintenance contract of 58 no. of EOT Cranes, Jib cranes and Lifting Hoists is being carried out in coordination with C&S division. The periodic inspection is being done during the regular maintenance activity to identify and address the preventative and breakdown maintenance problems.

A regular crane load test is also being performed to verify the safe functioning of the cranes or hoists of RRCAT



Crane load testing in lab.