

Casting Technician Sand Moulding

Aliases: Sand Casting Worker, Metal Forging Worker

Industry/Sector(s): Automotive

JOB DESCRIPTION ¹

The tasks a Casting Technician Sand Moulding is expected to perform include:

- Handling all types of sand-related casting processes
- Performing both manual and automated processes
- Managing the specifications of sand and molten metal
- Setting up and operating the casting equipment
- Forming and finishing the final output

WORK ENVIRONMENT ^{1, 2, 3}

- It is a field job
- Need not handle a team
- Local travelling is not a part of this job role
- Part-time jobs are not available
- Work from home option is not available

Working hours

- Organizations usually work for 5/6 days a week for 8/9 hours everyday. This may vary from organization to organization
- Shift system may be available
- Overtime may be required
- Being self-employed is also an option. In this case, the working hours and days will be flexible

Is the job suitable for a candidate with special needs?

This may vary from organization to organization

EDUCATIONAL QUALIFICATIONS AND TRAINING ¹

- Preferably, ITI graduate
- Certified training for Casting Technician Sand Moulding (programme aligned to ASC/Q 3205 released by Automotive Skills Development Council)

KEY COMPETENCIES ¹

- Skilled in understanding and interpreting engineering drawings and sketches
- Skilled in understanding the processes and equipment requirement to complete a task
- Proficiency in preparing the machine (apparatus) and auxiliaries
- Efficient in performing sand making-related operations
- Skilled in monitoring the process parameters
- Proficiency in performing the core making-related operations
- Familiarity with conducting quality checks and inspection of the finished products
- Skilled in maintaining a safe and healthy working environment at the workplace
- Knowledge of maintaining 5s in the work premises
- Knowledge of the latest technological advancements

DESIRABLE COMPETENCIES ¹

- Knowledge of the latest sand mould preparation technology and sand casting techniques & methodologies
- Basic reading and writing skills
- Quality management
- Safety and 5S
- Good communication skills

AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

ITIs across India

AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

For scholarship and schemes, use further links like:

- <https://scholarships.gov.in/>
- <http://pmkvyofficial.org/ExploreSectorSkillCouncilDetail.aspx?SSC=OQ%3d%3d>

SAMPLE OF TRAINING AND LEARNING COURSES

<http://dget.nic.in/upload/uploadfiles/files/CITSCourses/PM/CITS/CITSFoundryman.pdf>

CAREER PROGRESSION PATH ⁴

Casting Technician Sand Moulding → Casting Technician-Sand Moulding Manager or Supervisor → Casting Technician-Sand Moulding In-Charge

The progression is indicative

EXPECTED EARNINGS ²

•For candidates with experience - Rs 12,000 to Rs 15,000 per month

These figures are indicative and subject to change

REQUIRED WORK EXPERIENCE ¹

Generally, 2 - 3 years of experience in sand casting

PROBABLE EMPLOYERS ²

- Self-employed
- Car manufacturers
- Vehicle factories

KEYWORDS

- Casting Technician-Sand Moulding
- Metal and Sand Casting

OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	7211.0201	Casting Technician Sand Moulding
ISCO 2008	7211	Metal Moulders and Core Makers
NIC 2008	29109	Manufacture of motor vehicles n.e.c.
QP Reference	ASC/ Q3205	Casting Technician - Sand Moulding
NSQF	Level 4	Not Available

REFERENCES

1	www.nsdcindia.org/sites/default/files/files/Sand-Casting-Technician-L4.pdf
2	http://www.indeed.co.in/cmp/RRK-Alloys/jobs/Moulding-Engineer-0f4db4b39dba70ab?q=Sand+Moulding
3	http://www.ccdisabilities.nic.in/page.php?s=reg&t=def&p=list_jobsNew
4	http://www.dget.nic.in/upload/uploadfiles/files/publication/Des-Div-7.pdf