

Evaporator Operator

Aliases: Pan Operator, Vacuum Pan Operator

Industry/Sector(s): Chemical and Petrochemicals

JOB DESCRIPTION ¹

The tasks an Evaporator Operator is expected to perform include:

- Charging and operating evaporating tank, vacuum-pan to concentrate solutions by driving off excess water content
- Pumping weak (liquid) solution into evaporator tank or pan
- Operating vacuum pump to obtain vacuum in pan, if required
- Regulating flow of steam into heater coils of evaporator
- Testing concentration of solution using instruments or simple chemical tests
- Making necessary adjustments to temperature and pressure to obtain required solution
- Pumping concentrated solution from evaporator for auxiliary heating
- Implementing safety measures in regard to operation of plant and machinery and handling and processing materials
- Oiling and maintaining the machinery

WORK ENVIRONMENT

- It requires one to be on their toes
- Need not handle a team
- Local travelling is not a part of this job role
- Part-time work and contractual jobs are available in some cities
- Work from home option is not available

Working hours

- Chemical & petrochemical companies usually work for 6 days a week and 8/10 hours everyday. This may vary from company to company
- Shift system maybe available

Is the job suitable for a candidate with special needs?

Maybe

EDUCATIONAL QUALIFICATIONS AND TRAINING ²

Minimum – Graduate in any field

KEY COMPETENCIES ¹

- Competent in operating evaporating tank and vacuum pan
- Proficiency in regulating flow of steam into the heater coils of the evaporator
- Competent in making temperature and pressure changes as required
- Ability to perform simple chemical tests
- Well-versed with maintaining plant and machinery
- Knowledgeable about health hazards and safety guidelines

DESIRABLE COMPETENCIES ¹

- Knowledge of tending auxiliary equipment such as settling tanks, preheating tanks, condensers and cooling equipment
- Ability to treat solutions, such as those of glue, glycerine, glucose and caustic soda and be designated accordingly

AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES ³

- National Accreditation Board for Education and Training
- Petroleum Training Institute

AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

http://msme.gov.in/Outcome_Budget-2007-08-SSI.pdf

<http://www.dcmsme.gov.in/sido/ktdgi01x.htm>

<http://msme.gov.in/ssi-ar-eng-2006-07.pdf>

SAMPLE OF TRAINING AND LEARNING COURSES

Coming soon

CAREER PROGRESSION PATH ⁴

Coming soon

Transfer option

- India: Yes
- Abroad: Yes

*(*This field to open the relevant job title when clicked)*

EXPECTED EARNINGS ⁵

- For freshers - ₹ 10,000 to ₹ 12,000 per month
- For candidates with 2-4 years of experience or more - ₹ 15,000 to ₹ 30,000 per month

(These figures are indicative and subject to change)

REQUIRED WORK EXPERIENCE

Coming soon

PROBABLE EMPLOYERS ⁷

Petrochemical and chemical companies in India

PEOPLE'S CORNER

Coming Soon

KEYWORDS

- Evaporation Operator
- Pan Operator
- Vacuum Pan Operator

OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	8131.3600	Evaporator Operator
ISCO 2008	8131	Chemical Products Plant and Machine Operators
NIC 2008	20299	Manufacture of various other chemical products n.e.c.(antiknock preparations, anti-freeze preparations, liquids for hydraulic transmission, composite diagnostic or laboratory reagents, writing or drawing ink, chemical substance used in manufacturing of pesticides and other chemical products)
QP Reference	NA	NA
NSQF	NA	NA

REFERENCES

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