



NATIONAL INSTITUTE OF OCEAN TECHNOLOGY
(Ministry of Earth Sciences, Government of India)

NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai, Chennai – 600 100

Phone : 91-44-6678 3300 Fax : 91-44-22460645/22460275

E-mail: postmaster@niot.res.in Telex – 041-8933

WALK IN RECRUITMENT

ADVERTISEMENT No. NIOT/2019/02 (Project)

National Institute of Ocean Technology (NIOT), an autonomous Society under the Ministry of Earth Sciences, Government of India, is looking for prospective candidates for filling up the position of Project Posts at NIOT on contract basis, for fixed tenure. Candidates fulfilling the prescribed eligibility conditions are invited to attend a **walk-in-recruitment** at National Institute of Ocean Technology, Chennai. The details of the post are as follows:

| | |
|---------------------|---|
| (1) Post code | PSC-Civil-01-2019 |
| Name of the post | Project Scientist – I (Civil) |
| Number of post | 09 (Nine) – SC – 2; OBC – 2 & UR – 5 |
| Age Limit | Not exceeding 35 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Bachelor's degree in Engineering or Technology in Civil from a recognized University / Institute or equivalent with at least first class not less than 60% marks. Desirable: Master's degree in Engineering / Technology in Civil from a recognized University / Institute or equivalent. |
| Job Requirement | i) Coordination, analysis, design and execution of civil / structural works for island based desalination plants, analysis and design of the offshore components such as moorings, fixed / floating structures, numerical modeling of coastal / oceanographic processes, analysis and design of submarine pipeline, material studies for desalination and offshore structures. ii) Field studies at offshore / coastal regions, Laboratory studies, Instrumentation, Data analysis, Conduct numerical studies for fixed / floating structures. iii) Plan and design the foundation for the onshore and offshore structures, Field geotechnical investigations studies, review testing results, and develop design recommendations. Working knowledge of Plaxis software, Staad Pro etc., iv) Field survey / deployment / retrieval operations. v) Coordination, analysis, design and execution of civil/ structural works for desalination and OTEC plants. Onshore and offshore geotechnical investigations, study of field soil characteristics, laboratory soil testing and analysis, review test results and develop design recommendations. vi) Planning and preparing construction schedules, drawings, BOQ and estimation; technical specification of works, coordination with officials for carrying out works, preparing master plan and interior layouts; supervising the work, conducting quality test, recording site measurement and certification. vii) Knowledge in software like STAAD PRO, ANSYS, SACS, ORCAFLEX, MOSES, PLAXIS, AUTOCAD (2D & 3D) is preferred. |
| Pay | Consolidated Salary Rs.55000/- pm |
| Date of Recruitment | 09.07.2019 – By walk in interview |

| | |
|---------------------|--|
| (2) Post code | PSC-PO-02-2019 |
| Name of the post | Project Scientist – I (Physical Oceanography) |
| Number of post | 03 (Three) – SC – 1& UR – 2 |
| Age Limit | Not exceeding 35 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Master’s degree in Oceanography from a recognized University / Institute or equivalent with at least first class not less than 60% marks. Desirable: Doctorate degree in the relevant field. |
| Job Requirement | i) Coastal processes modeling, planning, coordinating, and managing field data collection programs, seabed engineering investigations, land survey, hydrodynamic modeling, related to ocean/coastal engineering. ii) Physic-chemical analysis of seawater and sediment. EIA studies related to coastal and marine environment. Metal analysis in the sampled water and sediment. iii) Field studies at offshore/coastal regions, laboratory studies, Instrumentation, Data analysis. Field survey/deployment/retrieval operations. |
| Pay | Consolidated Salary Rs.55000/- pm |
| Date of Recruitment | 11.07.2019 – By walk in interview |

| | |
|---------------------|--|
| (3) Post code | PSC-OE-03-2019 |
| Name of the post | Project Scientist – I (Naval Architect / Ocean Engineering) |
| Number of post | 01 (One) – UR – 1 |
| Age Limit | Not exceeding 35 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Bachelor’s degree in Engineering or Technology in Civil / Ocean / Naval architecture from a recognized University / Institute or equivalent with at least first class not less than 60% marks. Desirable: Master's degree in Engineering / Technology in Civil from a recognized University / Institute or equivalent in any of the following disciplines : 1. Structural engineering 2. Ocean engineering / technology 3. Offshore / Marine structures. |
| Job Requirement | i) Coordination, analysis, design and execution of civil/ structural works for desalination and OTEC plants. ii) Analysis and design of the offshore components such as moorings, fixed / floating structures, numerical modeling of coastal / oceanographic processes, analysis and design of submarine pipeline, material studies for desalination, energy and offshore structures. iii) Knowledge in software like STAAD PRO, ANSYS, SACS, ORCAFLEX, MOSES, PLAXIS, AUTOCAD (2D & 3D) is preferred. |
| Pay | Consolidated Salary Rs.55000/- pm |
| Date of Recruitment | 11.07.2019 – By walk in interview |

| | |
|---------------------|--|
| (4) Post code | PSC-Mech-04-2019 |
| Name of the post | Project Scientist – I (Mechanical) |
| Number of post | 09 (Nine) – SC – 2; ST – 1; UR – 6 |
| Age Limit | Not exceeding 35 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Bachelor’s degree in Engineering or Technology in Mechanical from a recognized University / Institute or equivalent with at least first class not less than 60% marks. Desirable: Master’s degree in Engineering or Technology in Mechanical from a recognized University / Institute or equivalent. |
| Job Requirement | <ul style="list-style-type: none"> i) Design of thermal / mechanical systems, Design Analysis, Assembly and Integration of systems, CFD and heat transfer analysis and Knowledge of turbo machinery are preferable. ii) Overseeing fabrication / installation of process components for Island based desalination plants in Lakshadweep Islands. iii) Design of thermal / mechanical systems. Design of rotating machinery. Assembly, Integration and testing of mechanical system. Supervising the erection and commissioning of equipments at the site. iv) Knowledge in software like Fluent, CFX, Ansys-Mechanical, Pro-E and AutoCad 3D are preferable. |
| Pay | Consolidated Salary Rs.55000/- pm |
| Date of Recruitment | 10.07.2019– By walk in interview |

| | |
|------------------|---|
| (5) Post code | PSC-ECE-05-2019 |
| Name of the post | Project Scientist – I (ECE / E&I) |
| Number of post | 02 (Two) – SC – 1& UR – 1 |
| Age Limit | Not exceeding 35 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Bachelor’s degree in Engineering or Technology in Electronics and Communication / Electronics and Instrumentation from a recognized University / Institute or equivalent with at least first class not less than 60%marks. Desirable: Master’s degree in Engineering or Technology in Electronics and Communication / Electronics and Instrumentation / Control and Instrumentation / Controls VLSI Design / Embedded system design / Communication systems from a recognized University / Institute or equivalent. |
| Job Requirement | <ul style="list-style-type: none"> i) Support field surveys / deployment / retrieval operations. Handling and maintenance of the instruments / escalation of the repairs to support / field validation of sensors. ii) Knowledge on latest sensors in the field of coastal engineering capacity to |

| | |
|---------------------|--|
| | <p>integrate and configure the system for remote state.</p> <p>iii) Operational downtime reduction and preventive maintenance planning / listing the maintenance inventory and liaising with the suppliers.</p> <p>iv) Field studies at offshore / coastal regions, laboratory studies, instrumentation, data process and analysis.</p> <p>v) Design, development, integration and testing of SCADA systems for process plants like Thermal power plant/Desalination and renewable energy systems, Data acquisition, processing, analysis, handling and maintenance of Process sensors.</p> <p>vi) Knowledge in Lab VIEW/ PLC / PAC/ C/C++ based programming and DAQ hardware design. Embedded system design for underwater applications, Operation of Oceanographic Instruments LIKE ADCP, Echo sounder etc. are preferable.</p> |
| Pay | Consolidated Salary Rs.55000/- pm |
| Date of Recruitment | 11.07.2019– By walk in interview |

| | |
|---------------------|--|
| (6) Post code | PSC-EEE-06-2019 |
| Name of the post | Project Scientist – I (EEE) |
| Number of post | 01 (One) – UR – 1 |
| Age Limit | Not exceeding 35 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | <p>Essential:Bachelor’s degree in Engineering or Technology in Electrical / Electrical and Electronics from a recognized University / Institute or equivalent with at least first class not less than 60%marks.</p> <p>Desirable:Master’s degree in Engineering or Technology in Electrical / Electrical and Electronics from a recognized University / Institute or equivalent.</p> |
| Job Requirement | <p>i) Design, integration, testing and operation and maintenance of electrical systems in OTEC power plant /renewable energy (small grid /off grid /on grid etc.), Desalination plants and offshore electrical systems</p> <p>ii) Knowledge in Electrical machines, generator, transformers and power electronics and software knowledge of FEA tools like Infolytica /Magnet /Motosolve Mat-Lab Simulink, etc. and design of Ocean renewable energy Power system components are preferable</p> |
| Pay | Consolidated Salary Rs.55000/- pm |
| Date of Recruitment | 11.07.2019 – By walk in interview |

| | |
|---------------------|--|
| (7) Post code | PSA-Civil-07-2019 |
| Name of the post | Project Scientific Assistant – (Civil) |
| Number of post | 12 (Twelve) – SC – 1; ST – 1; OBC – 3 & UR – 7 |
| Age Limit | Not exceeding 28 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Diploma in Civil Engineering from a recognized Board / Institute or equivalent with at least first class not less than 60% marks. Desirable: i) Any higher qualification in the relevant discipline/field. ii) Experience in areas given in job requirements |
| Job Requirement | i) Preparation of drawings, Overseeing construction, fabrication of structures, field installation activities in coastal / offshore locations, Island based desalination plants. ii) Field survey / deployment / retrieval operations. Overseeing installation of instruments and sensors for Island based desalination plants. iii) Assist laboratory operations / instrument maintenance, diving skill is an advantage. iv) Site execution including reading specifications, drawings, supervising the construction activity, ensuring quality, co-ordination between various agencies and contractors. v) To prepare drawings, estimates and specifications as per CPWD codal provisions. vi) Checking of measurements, maintenance of M-Books, processing of bills for payment and quality assurance. Knowledge in software like AUTOCAD (2D & 3D) is preferable. |
| Pay | Consolidated Salary Rs.24000/-pm |
| Selection Procedure | Through Written Test and Skill Test |
| Date of Recruitment | 16.07.2019 |
| (8) Post code | PSA-Mechanical-08-2019 |
| Name of the post | Project Scientific Assistant – (Mechanical) |
| Number of post | 10 (Ten) – SC – 1; ST – 1; OBC – 2 & UR – 6 |
| Age Limit | Not exceeding 28 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Diploma in Mechanical/ Automobile/ Mechatronics engineering from a recognized Board/ Institute or equivalent with at least first class not less than 60% marks. Basic knowledge of Computer and working knowledge in Autocad / Inventor / ProE. Desirable: Any higher qualification related to job requirement Experience of two years in machine operations viz., turning, drilling, surface grinding and milling / TIG / MIG and Arc Welding and gas cutting. |
| Job Requirement | i) Preparation of mechanical 2D and 3D modeling using Autocad/Inventor/ Pro-E. ii) Assembly, integration and testing of mechanical systems, engineering fabrication and assembly work. iii) Knowledge in installation and commissioning of process thermal desalination plant equipments, power plant components, operation and maintenance of power/process plants. iv) Preparation of drawings, Overseeing construction / field installation activities in coastal / offshore locations /field survey/deployment / retrieval operations / |

| | |
|---------------------|---|
| | Overseeing installation of instruments and sensors for Island based desalination plants. v) Erection and commissioning of equipments / machineries, Site supervision including reading specifications, drawings, supervising the Manufacturing / Fabrication activity in shop floor, ensuring quality, co-ordination between various inspection agencies and contractors. vi) Knowledge in software like AUTOCAD (2D & 3D) is preferable. |
| Pay | Consolidated Salary Rs.24000/-pm |
| Selection Procedure | Through Written Test and Skill Test |
| Date of Recruitment | 16.07.2019 |

| | |
|---------------------|--|
| (9) Post code | PSA-Electrical-09-2019 |
| Name of the post | Project Scientific Assistant – (EEE) |
| Number of post | 02 (Two) – OBC – 1 & UR – 1 |
| Age Limit | Not exceeding 28 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Diploma in Electrical / Electrical and Electronics engineering from a recognized Board/ Institute or equivalent with at least first class not less than 60% marks. Desirable: Any higher qualification related to job requirement. |
| Job Requirement | i) Assembly, integration and testing of medium voltage Electrical systems viz. motors, drives, transformers, switch gear, etc. for subsea and surface applications ii) Development/ drafting Electrical CAD-circuit drawings. iii) Knowledge in Supervision of Electrical installation and maintenance works, maintenance of Gensets, Transformers and MV switch gear, Operation of Oceanographic Instruments LIKE ADCP, Echo sounder etc. iv) Design of Ocean renewable energy Power system components is preferable |
| Pay | Consolidated Salary Rs.24000/-pm |
| Selection Procedure | Through Written Test and Skill Test |
| Date of Recruitment | 16.07.2019 |

| | |
|---------------------|--|
| (10)Post code | PSA-ECE-10-2019 |
| Name of the post | Project Scientific Assistant – (ECE/E&I) |
| Number of post | 01 (One) – UR – 1 |
| Age Limit | Not exceeding 28 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: Diploma in Electronics and Communication / Electronics and Instrumentation from a recognized Board/ Institute or equivalent with at least first class not less than 60% marks. Desirable: Any higher qualification related to job requirement. |
| Job Requirement | i) Experience in Assembly, testing of embedded and electronics data acquisition system, sensors calibration etc. |
| Pay | Consolidated Salary Rs.24000/-pm |
| Selection Procedure | Through Written Test and Skill Test |
| Date of Recruitment | 16.07.2019 |

| | |
|---------------------|---|
| (11)Post code | PT-11-2019 |
| Name of the post | Project Technician – (Machinist/Fitter/Welder) |
| Number of post | 06 (Six) – UR – 6 |
| Age Limit | Not exceeding 28 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: 10 th Class Pass (Secondary/Metric) of a recognized board and ITI course in Mechanical / Fitter / Welder / Machinist approved by National Council for vocational training or equivalent from a recognized Institutions. Basic knowledge of computer. Desirable: Experience of two years in machining operations viz., turning, drilling, surface grinding and milling/TIG/MIG and Arc welding and gas cutting. |
| Job Requirement | i) Knowledge in installation, dismantling, repair, reassembling of machinery / pumps / motors / equipment in factories, power plants, process plants and construction sites. ii) Knowledge in welding of MS and SS components, pressure vessels, Boilers. iii) Knowledge in reading and understanding engineering drawing and symbols. iv) Overseeing fabrication / installation of process components for Island based desalination plants. Welder: Reading and understanding engineering drawings and symbols. Welding of MS and SS components. IBR certified or TIG/MIG welder is preferable. Fitter / Millwright mechanic: Reading and understanding engineering drawings and symbols. Installation, dismantling, repair, reassembling of machineries such as pumps, motors, turbines and equipments like condensers, vessels. Experience in Offshore installations and handlings are preferable. |
| Pay | Consolidated Salary Rs.15000/-pm |
| Selection Procedure | Through Trade Test / Written Test and Skill Test |
| Date of Recruitment | 17.07.2019 |

| | |
|------------------|---|
| (12)Post code | PT-12-2019 |
| Name of the post | Project Technician – (Electrical / Electronics / Instrumentation) |
| Number of post | 04 (Four) – SC – 1; UR – 3 |
| Age Limit | Not exceeding 28 years. (Relaxable to the applicable categories as per orders issued by Central Govt.) |
| Qualification | Essential: 10 th Class Pass (Secondary/Metric) of a recognized board and ITI course in Electrical approved by National Council for vocational training or equivalent from a recognized Institutions. Basic knowledge of computer. Desirable: Experience of two years in operation and maintenance of medium voltage electrical systems and in oil and gas/offshore industries or R&D or electrician/wireman trade. |
| Job Requirement | i) Development, assembly, integration and testing of electrical systems and electrical wiring. ii) Undertake calibration, tests, and trails of the medium voltage electrical subsea systems. iii) Overseeing installation of instruments and sensors for Island based desalination |

| | |
|---------------------|---|
| | plants. Electrician/Wireman: Wiring of control panels, Industrial wiring, cable termination, low and high voltage system erection. Electronic/Instrument Mechanic : Industrial panel wiring and Interfacing, PCB soldering and Assembly, Handling of electronics instruments, Assembly, testing and calibration of instruments/Sensors, Interfacing and panel wiring, Installations of electrical systems on board ships, Offshore installations and handlings. |
| Pay | Consolidated Salary Rs.15000/-pm |
| Selection Procedure | Through Trade Test / Written Test and Skill Test |
| Date of Recruitment | 17.07.2019 |

General Conditions:

1. The candidates applying for the above posts should apply on-line through web link <https://www.niot.res.in/index.php/recruitment> and shall download the filled in application form generated online and produce the same at the time of registration for interview/ Test on the scheduled dates. The web-link for submission of online application is available till 5 p.m. of **03.07.2019**.
2. The registration for the walk in interview/ Test will starts from 8:00 a.m.–10.00 a.m on the scheduled dates for the posts at National Institute of Ocean Technology, Pallikaranai, Chennai.
3. Interview will be from 10:00 a.m. onwards. Test will commence by 10.30 AM.
4. **Tenure:** The posts are purely temporary under Project mode on contract basis. The assignment is for fixed tenure or co-terminus with the project in which he / she is engaged, whichever is earlier.
5. Candidates must be citizens of India.
6. The candidates should not have exceeded the maximum age limit specified above as on the last date of receipt of online applications. A maximum relaxation of 5 years in age is applicable to the candidates belonging to SC/ST category, 3 years for OBC candidates; 10 years for persons with disability; 5 years for Group – A and Group – B Ex-Servicemen and for Group– C Ex-servicemen – 3 years over and above the period of service rendered in the Army, Navy and Air Force, subject to maximum age of 45 years (50 years in case of SC/ST).
7. No TA/DA will be paid to the candidate for appearing interview/Test.
8. The person engaged will not be treated on par with regular employees of NIOT and shall have no right to claim implicit or explicit for their absorption or regularization in NIOT.
9. All candidates are required to bring the original certificates related to educational qualifications, date of birth, work experience, caste etc. Duly attested copies of all the documents must be submitted with the printout of the online generated application form and one self attested recent passport size photograph should be pasted in the appropriate place in the online generated application.
10. The candidates selected are liable to work anywhere in India and can be posted in Islands of Lakshadweep or Andaman and Nicobar in the projects of NIOT. The projects may involve travel and operations, field trials in Islands and may involve sea cruises for data collection, sampling etc. The selected candidates are required to apply and possess/apply immediately for valid Indian National passport on joining the service.
11. The decision of NIOT in all matters relating to eligibility, acceptance or rejection shall be final, and no enquiry or correspondence will be entertained in this connection from any individual or his/ her agency.
12. Candidates who are in Government/Autonomous institution and PSU should furnish NOC at the time of interview.