

**CSIR- National Institute of Oceanography**

Dona Paula 403004, Goa, India

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Advertisement No: REC-01/2019

**A unique opportunity for research careers in Ocean Science & Technology**

The CSIR-National Institute of Oceanography (CSIR-NIO), Goa a premier Institute under Council of Scientific & Industrial Research (CSIR) involved in multidisciplinary R&D Programme of both basic and applied nature across scientific disciplines for economic, environmental and societal benefit for the people of India. CSIR-NIO conducts multidisciplinary oceanographic research in traditional branches of oceanography- biology, chemistry, geology & geophysics and physics, in addition to marine instrumentation, ocean engineering, machine design and marine archaeology. The Institute has several well equipped laboratories, state of art equipment and operates two research vessels *Sindhu Sankalp*, and *Sindhu Sadhana*. For more details visit [www.nio.org](http://www.nio.org). The Institute invites applications from Indian nationals to fill up the following positions in Goa and its three Regional Centers in Mumbai, Kochi and Visakhapatnam.

Name of the post	Scientist
Pay Level and Pay Matrix	Pay Level-11 Rs 67700-208700
Maximum Age as on 31.01.2020. **Age relaxation applicable as per Government of India rules.	32 years. Details at Sl. No. III of Age Relaxation
Total Emoluments* *Excluding HRA and TA	Rs.72,439/-

The minimum essential qualification, experience, desirable qualifications and job specification areas given below:

<b>Post Code</b>	<b>Designation</b> <b>No of posts &amp; Reservation details</b>	<b>Minimum Essential Qualifications.</b>	<b>Desirable Qualification and Job Specification and Responsibility</b>
S-101	Scientist 04 [UR-02, EWS-01, ST-01]	PhD submitted in (Science / Engineering) on a topic related to physical oceanography.	<b>Desirable Qualification :</b> Commendable work in air-sea interaction/Atmospheric boundary layer/ Physical oceanography / Near-shore dynamics / Circulation / Monsoon/ Numerical modelling of ocean processes/ Computational Fluid Dynamics/ Data Mining and Artificial Intelligence. Demonstrated excellence in research through publications in peer-reviewed journals.  <b>Job Specification and Responsibility</b> To undertake scientific research in the relevant field at sea and in laboratory.
S-102	Scientist	PhD submitted in	<b>Desirable Qualification:</b> Commendable work in

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	03 [UR-02, OBC-01,] out of above, 01 post is reserved for PWD (Orthopedically)	(Science / Engineering) on a topic related to inorganic chemistry or physical chemistry or biogeochemistry or isotope geochemistry / marine chemistry or chemical oceanography.	Analytical chemistry / Biogeochemistry / Marine chemistry / Pollution / Eco-toxicology / Isotope chemistry. Demonstrated excellence in research through publications in peer- reviewed journals.  <b><u>Job Specification and Responsibility</u></b> To undertake scientific research in the relevant field at sea and in laboratory.
S-103	Scientist 04 [UR-02, OBC-01, SC-01]	PhD submitted in (Science / Engineering) on a topic related to Geophysics or Marine Geophysics.	<b><u>Desirable Qualification:</u></b> Commendable work in Marine geophysics and experience in collection, processing and interpretation of Gravity and magnetic data / Single & multichannel seismic data. multibeam bathymetry data/ proficiency in Fortran or C programming language. Demonstrated excellence in research through publications in peer-reviewed journals.  <b><u>Job Specification and Responsibility</u></b> To undertake scientific research in the relevant field at sea and in laboratory.
S-104	Scientist 03 [UR-01, OBC-01, EWS-01]	PhD submitted in (Science) on a topic related to Geology or marine Geology.	<b><u>Desirable Qualification:</u></b> Commendable work in Marine geology/ Igneous & metamorphic petrology/ Geochronology-radiogenic isotope/Geochemistry /Petrology Demonstrated excellence in research through publications in peer-reviewed journals.  <b><u>Job Specification and Responsibility</u></b> To undertake scientific research in the relevant field at sea and in laboratory.
S-105	Scientist 03 [UR-02, OBC-01,]	PhD submitted in (Science) on a topic related to benthos or corals or seaweeds or mangrove or microzooplankton.	<b><u>Desirable Qualification:</u></b> Commendable work in Taxonomy/ Ocean food web dynamics/ Mangroves/ Sea-grass / Wetlands/ Molecular Biology/ Marine biology/Ecology. Demonstrated excellence in research through publications in peer-reviewed journals or technology development and patents.  <b><u>Job Specification and Responsibility</u></b> To undertake scientific research in the relevant field at sea and in laboratory.
S-106	Scientist 01 [UR-01]	ME/M.Tech.(Mechanical Engineering / Machine Design).	<b><u>Desirable Qualification:</u></b> Proficiency in CAD software, hydrodynamics, marine instrumentation. Demonstrated excellence in research through patents or technology development or publications.  <b><u>Job Specification and Responsibility:</u></b> Design and development of autonomous/remotely operated underwater vehicles and marine instruments.
S-107	Scientist 01	ME/M.Tech.(Ocean Engineering/Ocean Technology/Marine	<b><u>Desirable Qualification:</u></b> Commendable work in Coastal Engineering / Surf-zone dynamics/Ocean Engineering/Coastal zone management.

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	[OBC-01]	Structures/Offshore structures/Ocean Engineering and Naval Architecture).	<b>Job Specification and Responsibility</b> To undertake scientific research in the relevant field at sea and in laboratory.
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SC= Scheduled Caste, ST= Scheduled Tribe, OBC= Other Backward Classes, PWD- Person with Disabilities, EWS-Economically Weaker Section, UR= Unreserved. **Age Limit as on 31.01.2020.**


### General Information

#### I. Benefits under Council Service:

1. All posts, as above, carry Pay and usual Allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc., as admissible to Central Government employees at the place of posting and as made applicable to CSIR. Council accommodation will be allotted as per priority to be reckoned from the date of joining/availability, in which case HRA will not be admissible.
2. In addition to the emoluments indicated above, benefits such as reimbursement of medical Expenses, Leave Travel Concession/Computer/House Building Advances are available as per rules of CSIR.
3. The "New Pension Scheme" based on defined contributions as adopted by CSIR for its employees will be applicable to the successful candidate. However, persons selected from other Government departments/Autonomous Bodies/Public Sector Undertakings/Central Universities having Pension Scheme on GOI pattern will continue to be governed by the existing Pension Scheme i.e CCS (Pension) Rules, 1972.
4. CSIR-NIO provides excellent opportunity for career advancement under Assessment Promotion Scheme.
5. Scientists in NIO are permitted to undertake consultancy and sponsored R&D projects. These projects give them scope to earn consultancy fees and honorarium as per CSIR Guidelines governing these activities. Foreign deputations are encouraged for training and presentation of papers/specific assignments.
6. Deserving candidates may be considered for advance increment as per CSIR Rules.

#### II. Other conditions:

1. The applicant must be a citizen of India.
2. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of receipt of the applications. They are advised to satisfy themselves before applying that they possess at least the essential qualification laid down for various posts as on the last day of the receipt of the applications. No enquiry asking for advice as to eligibility will be entertained. The prescribed essential qualification is the minimum and the mere possession of the same does not entitle candidates to be called for the interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with documents. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate /notification.
3. The candidates are further required to attach, inter alia, the Ph.D ( submitted /awarded certificate reflecting the department in/by which the Ph.D is submitted / awarded and the date of submission / awarded also. In case the same are not reflected in the Ph.d submission / award certificate, the candidates are required to attach ( with his online application) any valid document(s) which establish(es) the department where the Ph.d thesis has been submitted or Ph d has been awarded and the date of the same.
4. Candidates desirous of applying for more than one Post Code should submit SEPARATE APPLICATION FOR EACH POST CODE, subject to fulfilling all eligibility criteria attached to each individual post code along with requisite application fee of ` 100/- for each, wherever applicable

  
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5. Preference will be given to the candidates involved in Product Development / technology innovation / applied Technology / translational Research etc.
6. The prescribed qualifications should have been obtained through recognized Universities/Institutions etc.
7. In respect of equivalent clause in Essential Qualification, if a candidate is claiming a particular qualification as per requirement of advertisement, then the candidate is required to upload/produce order/letter in this regard, indicating the authority (with number and date) under which it has been so treated otherwise the application is liable to be rejected.
8. The period of experience rendered by a candidate on part time basis, daily wages, visiting/guests faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
9. If any document/certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted Officer or Notary is to be submitted.
10. The date of determining the upper age limit, qualifications and/or experience shall be the closing date prescribed for receipt of applications.
11. The period of experience in the discipline/area of work, whenever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that Grade.
12. Person with disabilities (PWD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.
13. CSIR-NIO strives to have a work-force which reflects gender balance and women candidates are encouraged to apply.
14. In case a candidate is staying abroad, his/her candidature may be considered in absentia by the Selection Committee on his/her written request. The candidates staying abroad may be permitted to attend interview through video conferencing mode on request.
15. The number of vacancies under each post code is provisional and may vary.
16. Only outstation candidates called and found eligible for interview will be paid for the travel within India, to and fro single second class rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to railway station on production of Rail Ticket/Rail Tickets Number or another proof of journey.
17. Any discrepancy found between the information given in application and as evident in original documents will make candidate ineligible for appearing in the interview. Such candidate will not be paid any travel fare.
18. All incumbents shall be required to go on oceanographic expeditions as and when required.
19. Selected candidates may be posted or transferred to any of the regional centers of the Institute at Kochi, Mumbai and Visakhapatnam or headquarter of NIO or anywhere in India.
20. Director, CSIR-NIO reserves the right of not making any appointment against any of the advertised post(s) if suitable candidates are not found
21. The decision of the Director, CSIR-NIO in all matters relating to eligibility, acceptance or rejection, of applicants mode of selection, conduct of examination/interview will be final and binding on the candidates.
22. Canvassing in any form and/or bringing any influence political or otherwise will be treated as a disqualification for the post.
23. NO INTERIM INQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

  
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### III. Age Relaxation:

1. The upper age limit is relaxable up to 05 years for SC/ST and 3 years for OBC as per Government order in force only in those cases where the posts are reserved for the respective categories, on production of relevant certificate in the prescribed format signed by the specified authority attached in the application and submission of original at the time of interview. The candidates belonging to the OBC category and EWS Category may kindly note that he/she has to upload / submit the latest OBC/EWS certificate [issued within the year] in the prescribed format (enclosed with the advertisement) and an undertaking signed by the applicant in the prescribed format (enclosed with the Advertisement) failing which the application will be summarily rejected.

2. Upper age limit is also relaxable up to five years for the regular employees working in CSIR Laboratories/Institutes, Government Department, autonomous bodies and public sectors under takings.

3. The upper age limit for Ex servicemen shall be relaxed by the length of Military service increased by 3 years in the case of Ex servicemen and commissioned officers including emergency commissioned officers or short service commissioned officers .

4. As per GOI provisions, age relaxation for Widows, Divorced Women and Women Judicially separated from Husbands, the upper age limit is relaxable up to the age of 35 years (up to 40 years for members of Scheduled Castes/Scheduled Tribes and in respect of the posts reserved for them) for Widows, divorced women and women Judicially separated from their Husbands who are not remarried. The persons claiming age relaxation under this sub-para would be required to upload / produce following documentary evidence.

i) In case of widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.

ii) In case of divorced Women and Women judicially separated from their husbands, a certified copy of the judgment/decree of the appropriate court to prove the fact of divorced or the judicial separation, as the case may be, with an Affidavit in respect of divorced Women and they have not remarried since.


5. Age/relaxation to physically handicapped (PH): Age relaxation of 10 years is allowed (total 15 years for SCs/STs and 13 years for OBCs in respect of the post reserved for them) to blind, deaf-mute and orthopedically handicapped persons for appointment to Group 'A' posts/services. The person claiming age relaxation under this sub-para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40% or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual Group "A" posts to be filled by Direct Recruitment by Selection.

6. Relaxation in age, over and above the stipulated limit, educational qualification and/or experience may be considered in case of exceptionally meritorious candidates if sufficient number of candidates possessing the requisite qualification and/or experience are not available to fill of the posts.

7. Relaxations of five years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the state of Jammu and Kashmir during the period from 1-1-1980 to 31-12-1989 subject to production of relevant certificate from concerned authority.

### IV. How to apply:

1. Eligible candidates are required to apply ONLINE through our website <http://www.nio.org>.
2. Online Application will be available on our website <http://www.nio.org>. **It opens at 09.00 am on 30.12.2019 and available to apply till 31.01.2020 up to 5.30 pm.**
3. Candidates are required to pay Rs.100 /- as application fee through online through the link available under the payment option in the online application. No other mode of payment of

  
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application fee is admissible. The candidates belonging to **SC/ST/PWD/Women/CSIR Employees are exempted from submission of application fee.**

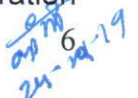
4. In case of universities/institute awarding CGPA/SGPA/OGPA grades etc., candidates are requested to convert the same into percentage based on the formula as per their university/institute.
5. Detailed online application procedure will be displayed in CSIR-NIO website <http://www.nio.org>
6. The candidates are also required to upload scanned copy of his/her recent passport size colour photograph(20-50kb) and his/her scanned signature in black ink (10-20kb) in "jpg" format at the specified respective place for the same in the online application.
7. Candidates should keep a copy of the application and payment details if any for their record . Print out of the application and payment details will not be available after 17.30 hr on 31.01.2020
8. Only single application will be entertained from each candidates for each post code. In case a candidate submits multiple applications for a single post code with different registration numbers and /or with different e mail ids, only the latest application will be considered.
9. Application once submitted will not be allowed to be withdrawn and fees paid will not be refunded on any circumstances nor can it be held in reserve for any other recruitment or selection process.
10. Applications from employees of Government Departments /autonomous bodies/Public sector undertakings will be considered only if No Objection Certificate (NOC) is uploaded with the online application with a certificate by the employer that the applicant , if selected , will be relieved within one month of receipt of the appointment order. The vigilance clearance should also be compulsorily recorded in the said NOC.
11. Incomplete applications (i.e. without photograph, without signature and without application fee & applicable certificates etc.) will not be entertained and will be summarily rejected.

V. **Check List:** The following documents are required to be uploaded ( in order) as a single pdf (nor more than 15 MB ) as a attachment to the application

1. SSC/ 10 th Certificate/,Mark sheet ( reflecting the date of birth)
2. HSC /10+ 2 certificate /Mark sheets
3. Graduation Certificate and Mark sheet
4. Post Graduation certificate and Mark sheet
5. M.Phil certificate and Mark sheet
6. PhD ( submitted/awarded) certificate along with front cover of thesis.
7. Certificate(s) related to higher qualification if any
8. Certificate related to physically handicap ( wherever applicable ) in the prescribed format
9. Certificate to show he/she is an ex-servicemen
10. Caste certificate (OBC/EWS/SC/ST wherever applicable) in the format prescribed by GOI
11. Experience certificates, if any
12. Any other certificates for eligibility if any.
13. No objection Certificate wherever applicable
14. CGPA to Percentage conversion certificate of the board / university / institute if any
15. Abstracts of published papers.
16. Certificate of grant of patent in product development / Technology Innovation / applied Technology / Translational Research

  
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(Simesh Verma)  
Sr. Controller of Administration

  
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**FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES  
APPLYING FOR APPOINTMENT TO POSTS UNDER THE GOVERNMENT OF INDIA**

This is to certify that Shri/Smt./Kumari \_\_\_\_\_ son/daughter of \_\_\_\_\_ of village/town in District/Division \_\_\_\_\_ in the State/Union Territory \_\_\_\_\_ belongs to the \_\_\_\_\_ community which is recognised as a backward class under the Government of India, Ministry of Social Justice and Empowerment's Resolution No. \_\_\_\_\_ dated \_\_\_\_\*. Shri/Smt./Kumari \_\_\_\_\_ and/or his/her family ordinarily reside(s) in the \_\_\_\_\_ District/Division of the \_\_\_\_\_ State/Union Territory. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93 - Estt.(SCT)dated 8.9.1993.\*\*

District Magistrate  
Deputy Commissioner etc.

Dated:  
Seal

\* - The authority issuing the certificate may have to mention the details of Resolution of Government of India, in which the caste of the candidate is mentioned as OBC.

\*\* - As amended from time to time.

Note:- The term "Ordinarily" used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(b) The authorities competent to issue caste certificates are indicated below :-

- (i) District Magistrate/Additional Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/Deputy Collector/ First Class Stipendiary Magistrate/Sub-Divisional Magistrate/Taluka Magistrate/Executive Magistrate/Extra Assistant Commissioner (not below the rank of First Class Stipendiary Magistrate).
- (ii) Chief Presidency Magistrate/Additional Chief Presidency Magistrate/ Presidency Magistrate.
- (iii) Revenue Officer not below the rank of Tashildar; and
- (iv) Sub-Divisional Officer of the area where the candidate and/or his family resides.



**OBC Undertaking**  
**Declaration/undertaking - for OBC Candidates only**

I, \_\_\_\_\_ son/daughter of Shri \_\_\_\_\_ resident of village/town/city \_\_\_\_\_ district \_\_\_\_\_ State hereby declare that I belong to the \_\_\_\_\_ community which is recognised as a backward class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.) dated 9/3/2004. I also declare that the condition of status/annual income for creamy layer of my parents/guardian is within prescribed limits as on financial year ending on March 31, 2017.

Signature of the Candidate

Place:

Date:

**Declaration/undertaking not signed by Candidate will be rejected**



Government of .....  
(Name & Address of the authority issuing the certificate)

**INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS**

Certificate No. \_\_\_\_\_ Date \_\_\_\_\_

**VALID FOR THE YEAR \_\_\_\_\_**

This is to certify that Shri/Smt./Kumari \_\_\_\_\_ son/daughter/wife of  
\_\_\_\_\_ permanent resident of \_\_\_\_\_  
Village/Street \_\_\_\_\_ Post Office \_\_\_\_\_ District \_\_\_\_\_ in  
the State/ Union Territory \_\_\_\_\_ Pin Code \_\_\_\_\_ Whose photograph is  
attested below belongs to Economically Weaker Sections, since the gross annual income\* of his/  
her 'family\*\* is below Rs. 8 Lakh (Rupees Eight Lakh only) for the financial year \_\_\_\_\_. His/  
her family does not own or possess any of the following assets \*\*\* :

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2. Shri/Smt./Kumari \_\_\_\_\_ belongs to the \_\_\_\_\_ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List).

Signature with seal of Office \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Passport size attested  
photograph of the applicant

\*Note 1: Income covered all sources i.e. salary, agriculture, business, profession etc.  
e 2: The term 'Family' for this purpose include the person, who seeks benefit of reservation, his/ her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.  
te 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.



## DISABILITY CERTIFICATE

As per ANNEXURE – I to OFFICE MEMORANDUM No. 336035/3/2004- Estt(Res) dated 29th December, 2005 from the Government of India, Ministry of Personnel, Public Grievances & Pensions, Department of Personnel & Training

NAME AND ADDRESS OF THE INSTITUTE / HOSPITAL

Certificate No. ....

Date - .....

Recent Photograph Of  
the candidate showing  
the disability duly  
attested by the  
Chairperson of the  
Medical Board

This is certified that Shri / Smt./ Kum. .... son / wife /  
daughter of Shri ..... age ..... Sex.....  
identification mark(s) ..... is suffering form permanent  
disability of following category: -

### A. Locomotor or cerebral palsy:

- (i) BL – Both legs affected but not arms.
- (ii) BA – Both arms affected
  - (a) Impaired reach
  - (b) Weakness of grip
- (iii) BLA – Both legs and both arms affected
- (iv) OL – One leg affected (right or left)
  - (a) Impaired reach
  - (b) Weakness of grip
  - (c) Ataxic
- (v) OA – One arm affected
  - (a) Impaired reach
  - (b) Weakness of grip
  - (c) Ataxic
- (vi) BH – Stiff back and hips (Cannot sit or stoop)
- (vii) MW – Muscular weakness and limited physical endurance.

### B. Blindness or Low Vision:

- (i) B - Blind
- (ii) PB - Partially Blind

### C. Hearing impairment:

- (i) D - Deaf
- (ii) PD - Partially Deaf

(Delete the category, whichever is not applicable)

Contd.. 2/-



2. This condition is progressive / non-progressive / likely to improve / not likely to improve.  
Re – assessment of this case is not recommended / is recommended after a period of  
..... years ..... months\*.
3. Percentage of disability in his / her case is ..... per cent.
4. Sh. / Smt. / Kum. .... meets the following physical requirement for discharge of his / her duties : -
- |   |          |
|---|----------|
| (i) F- can perform work by manipulating with fingers. ... | Yes / No |
| (ii) PP – can perform work by pulling and pushing. ...    | Yes / No |
| (ii) L – can perform work by lifting. ... ..              | Yes / No |
| (iv) KC – can perform work by kneeling and crouching. ... | Yes / No |
| (v) B – can perform work by bending. ... ..               | Yes / No |
| (vi) S – can perform work by sitting. ... ..              | Yes / No |
| (vii) ST – can perform work by standing. ... ..           | Yes / No |
| (viii) W – can perform work by walking. ... ..            | Yes / No |
| (ix) SE – can perform work by seeing. ... ..              | Yes / No |
| (x) H – can perform work by hearing / speaking. ... ..    | Yes / No |
| (xi) RW – can perform work by reading and writing. ...    | Yes / No |

(Dr. ....)	(Dr. ....)	(Dr. ....)
Member	Member	Chairperson
Medical Board	Medical Board	Medical Board

Countersigned by the

Medical Superintendent / CMO /  
Head of Hospital (with seal)

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\*Strike out which is not applicable.