



CSIR-Central Electrochemical Research Institute (Council of Scientific and Industrial Research) Karaikudi 630003, Tamilnadu, India

Advertisement No.01/2023

Date of commencement of ONLINE applications : 11.01.2023 (09:00 hrs IST)

Last date for submission of ONLINE applications : 10.02.2023 (23:30 hrs IST)

A unique opportunity for research careers in Electrochemistry

CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi, is a premier institute working under the aegis of Council of Scientific and Industrial Research (CSIR) an autonomous body functions under Department of Science & Technology, involved in multidisciplinary R&D programmes in the domain of Electrochemistry and Electrochemical Devices. The thrust areas of research covers Corrosion & Materials Protection, Electrochemical Power Sources, Electroplating & Metal Finishing, Electrochemical Process Engineering, Electro organic & Materials Electrochemistry, Electrodeics & Electrocatalysis, Networking Systems and Instrumentation. CSIR-CECRI aims to play a catalytic role for stimulating the growth of electrochemical industry in the country, by nurturing academic excellence & creativity. For more details about the institute, visit <http://www.cecri.res.in>.

Online Applications are invited from enthusiastic, young and dynamic Indian Nationals having excellent academic record and proven scientific achievements with requisite experience and strong desire to take up research as a career in Electrochemistry to fill various posts of Scientists. For Technical posts, the persons must be capable of supporting the R&D activities of the Institute.

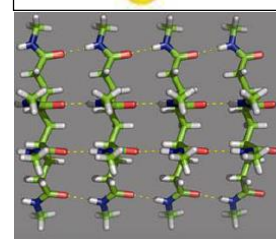
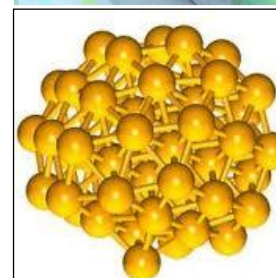
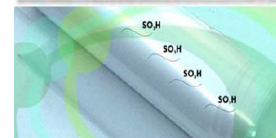
The details of positions, emoluments as well as age limit are given below:

Designation	No. of Posts & Reservation	Initial Pay and level in Pay Matrix	**Total Emoluments	***Upper Age Limit (as on last date of submission of online Application)
Scientist	18 Posts UR - 5 UR-PWD(HH [^])-1 EWS - 2 OBC - 3 SC - 1 SC - 1* ST - 5* * Backlog vacancies	₹.67,700/- Level-11	₹.1,04,487/-	32 years for UR & EWS Posts 42 years for UR(HH) Post 35 years for OBC Posts 37 years for SC/ST Posts
Senior Technical Officer (1)	1 Post UR-PWD(MD#)	₹.56,100/- Level-10	₹.87,435/-	45 years for UR(MD) Post
Technical Assistant	1 Post UR	₹.35,400/- Level-6	₹.54522/-	28 years

** Total Emoluments means approximate total emoluments on minimum pay of the level including House Rent Allowance in Class 'Z' City.

***Please see age relaxation under Relaxation.

Multiple Disabilities; ^ Hearing Handicapped



(a) Scientist Positions

Post Code/ No. of Positions & Category	Designation & Age limit including relaxation for SC/ST/OBC	Essential Educational qualification & Experience	Division / Theme / Area	Desirable Qualification & Experience	Job Requirements
CMP-01 1 post (UR)	Scientist Age limit : 32yrs	M.E / M.Tech in Chemical Engineering Or Ph.D (Submitted) in Chemical Engineering	Corrosion and Materials Protection	Specialization in paints and coating systems, formulations with considerable (2-3) years of Experience in paints and coating systems, formulations during doctoral / post- doctoral research.	Incumbent will have to carry out research in the area of polymers / development of paints for ferrous, non-ferrous and non-metallic surfaces. Should handle classes for B.Tech. (Chemical and electrochemical engineering), AcSIR, skill and refreshers courses on Corrosion.
CMP-02 1 post (ST)@	Scientist Age limit : 37yrs (including relaxation)	Ph.D in Chemistry	Corrosion and Materials Protection	Specialization in cathodic protection for pipelines / tank bottom/sheet pile with designing and modelling with 2-3 years of postdoctoral research/ experience in oil and gas industries.	Incumbent will have to carry out research in the area of sacrificial anodes and impressed current cathodic protection systems. Should handle classes for B.Tech. (Chemical and electrochemical engineering), AcSIR, skill and refreshers courses on Corrosion.
CMP-03 1 post (UR-HH)	Scientist Age limit : 42yrs (including relaxation)	Ph.D in Physics	Corrosion and Materials Protection	Specialization in corrosion monitoring, mechanisms in gaseous and aqueous environments, passivity and localized corrosion using advanced surface analytical methods with 2-3 years of postdoctoral research/experience in industries.	Incumbent will have to carry out research in the area of corrosion monitoring, evaluation and interpretation of filed data. Should handle classes for B.Tech. (Chemical and electrochemical engineering), AcSIR, skill and refreshers courses on Corrosion.
EPE-04 1 post (ST)@	Scientist Age limit : 37yrs (including relaxation)	Ph.D in Chemistry / Chemical Sciences	Electrochemical Process Engineering	Good knowledge with significant experience and expertise in technology and material science involving electrocatalytic, electrochemical approaches towards water electrolysis, as evident by publications in peer reviewed reputed international journals and/or patents/patent applications in the areas and/or technology development documents. The candidates having experience in product development /technology innovation /industries involved with higher TRL in these areas of PEM based electrolyser and its allied will be preferred. Experience in independent project execution/leading teams in a R&D institution, academic or industry setting is desirable.	The selected candidate will be involved in the research and development activities in materials /component development and device development with focus on various electrolyzer technologies and allied areas. The candidate will contribute to the institute's thrust research programs on CSIR hydrogen mission programme. The selected candidate is expected to (i) carry out multidisciplinary research in the design, development and functional aspects of materials and components and assembly/operation of electrolyser stack (ii) to write and defend projects in these areas from various funding agencies and (iii) to interact with industry towards providing technology support /solutions. The selected candidate is also expected to contribute to CSIR's large multi- disciplinary and multi-institutional research program initiatives.

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EPE-05 1 post (OBC)	Scientist Age limit : 35yrs (including relaxation)	Ph.D in Chemistry / Chemical Sciences	Electrochemical Process Engineering	Good knowledge in the area of different electrochemical treatment process for drinking water. Hands on experience and publication support on electrochemical treatment processes for removal of organic and inorganic contaminants from drinking water is essential and also experience in development of electrode materials for the electrochemical treatment processes. Industrial experience will be given preference.	Incumbent will involve in the divisional activities for the development of various ongoing activities viz., (i) electrochemical water treatment processes, (ii) various water electrolyzers (iii) synthesis of inorganic chemicals (iv) synthesis of materials for carbon capture and utilization.
EPE-06 1 post (UR)	Scientist Age limit : 32yrs	Ph.D in Biotechnology	Electrochemical Process Engineering	Good knowledge in bio-electrochemistry particularly in the area of different electrochemical treatment process for drinking water. Hands on experience and publication support on electro – cum- bacterial oxidation, microbial immobilization in bio reactors, integration of electro-bio process in hazardous industrial effluents, screening & exploitation of bacteria in electrochemical water treatment process and bio hydrogen production. Experience in bio toxicity analysis.	Incumbent will involve in the divisional activities for the development of various ongoing electrochemical water treatment processes. Incumbent is expected to undertake independent research in the area of (i) Bio-Electrochemical process for treatment of water-cum-hydrogen generation (ii) Biological and Bio-electrochemical Systems for Hydrogen Production (iii) Able to fabricate reactors and collaborate with industries for scale up process and (iv) Synthesis of bio-polymers for different applications.
EPS-07 1 post (UR)	Scientist Age limit : 32yrs	Ph.D in Chemistry	Electrochemical Power Sources	<ul style="list-style-type: none"> • Experience in synthesis and characterization of battery electrode / supercapacitor materials • Experience in fabrication and testing of aqueous and non-aqueous batteries. • Experience in preparation and evaluation of solid state/non aqueous/ionic liquid based battery electrolytes. • Experience in organic cathodes for Li-Ion, Na-Ion and radical batteries [The above experiences are relevant to battery systems like Li-Ion, Na-ion, Mg-Ion, Al-Ion; Li-Air, Zn, Air, Al-Air, Li-S; Flow batteries and super capacitors] 	Evaluation, forecasting of electrochemical energy storage technologies.

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EPS-08 1 post (OBC)	Scientist Age limit : 35yrs (including relaxation)	Ph.D in Chemistry	Electrochemical Power Sources	<ul style="list-style-type: none"> • Experience in synthesis and characterization of battery electrode / supercapacitor materials • Experience in fabrication and testing of aqueous and non-aqueous batteries. • Experience in preparation and evaluation of solid state/non aqueous/ionic liquid based battery electrolytes. • Experience in organic cathodes for Li-Ion, Na-Ion and radical batteries [The above experiences are relevant to battery systems like Li-Ion, Na-ion, Mg-Ion, Al-Ion; Li-Air, Zn, Air, Al-Air, Li-S; Flow batteries and super capacitors] 	Evaluation, forecasting of electrochemical energy storage technologies.
EPS-09 1 post (ST)@	Scientist Age limit : 37yrs (including relaxation)	Ph.D in Chemistry	Electrochemical Power Sources	<ul style="list-style-type: none"> • Experience in synthesis and characterization of battery electrode / supercapacitor materials • Experience in fabrication and testing of aqueous and non-aqueous batteries. • Experience in preparation and evaluation of solid state/non aqueous/ionic liquid based battery electrolytes. • Experience in organic cathodes for Li-Ion, Na-Ion and radical batteries [The above experiences are relevant to battery systems like Li-Ion, Na-ion, Mg-Ion, Al-Ion; Li-Air, Zn, Air, Al-Air, Li-S; Flow batteries and super capacitors] 	Evaluation, forecasting of electrochemical energy storage technologies.
EPS-10 1 post (EWS)	Scientist Age limit : 32yrs	Ph.D in Physics	Electrochemical Power Sources	<ul style="list-style-type: none"> • Experience in synthesis and characterization of battery electrode / supercapacitor materials. • Experience in fabrication and testing of aqueous and non-aqueous batteries. 	Synthesis and characterization of energy storage systems.

Post Code/ No. of Positions & Category	Designation & Age limit including relaxation for SC/ST/OBC	Essential Educational qualification & Experience	Division / Theme / Area	Desirable Qualification & Experience	Job Requirements
EMF-11 1 post (ST)@	Scientist Age limit : 37yrs (including relaxation)	Ph.D in Chemistry	Electroplating and Metal Finishing	The candidates having experience in electrodeposition with relevant industrial experience and field relevant high quality publications.	The incumbent will be leading/ be the part of team of self-motivated scientist's in the areas of electroplating processes for metals/ alloys and composites for various applications.
EMF-12 1 post (UR)	Scientist Age limit : 32yrs	Ph.D in Chemistry	Electroplating and Metal Finishing	The candidates having experience in electro hydrometallurgy/pyro- metallurgy processes for the extraction of metal values for primary and secondary resources with relevant industrial experience and field relevant high quality publications.	The incumbent will be leading/ be the part of team of self-motivated scientist's in the areas of electrometallurgical process including leaching, electro-winning and separation of metals and alloys.
EMF-13 1 post (UR)	Scientist Age limit : 32yrs	Ph.D in Physics	Electroplating and Metal Finishing	The candidates having experience in developing thin films using vacuum deposition techniques(Physical Vapor Deposition / Chemical Vapor Deposition) /thermal barrier coatings of metals, alloys and ceramics with relevant industrial experience and field relevant high quality publications.	The incumbent will be leading/ be the part of team of self-motivated scientist's in the areas of thin films (Physical Vapor Deposition / Chemical Vapor Deposition)/ thermal barrier coatings (TBCs) fabrication and evaluation for device and strategic applications.
EME-14 1 post (SC)@	Scientist Age limit : 37yrs (including relaxation)	Ph.D in Organic Chemistry	Electro organic and Materials Electrochemistry	Ph.D in electrochemistry with specialization in electro- organic synthesis. Experience in organic/ electro- organic of organic, fine, specialty chemicals. Experiences in new organic synthesis methods, reaction mechanisms, separation and purifications techniques. Publications/patents in the area of organic / electroorganic synthesis.	Research and development of electrochemical/chemical synthesis of industrially important fine, speciality, pharmaceutical, drugs and APIs. Updating the existing electroorganic process/ Technology.
EME-15 1 post (UR)	Scientist Age limit : 32yrs	M.E/M.Tech in Chemical Engineering Or Ph.D (Submitted) in Chemical Engineering	Electro organic and Materials Electrochemistry	Experiences in design and development of reactors/electrochemical cells, scale-up and process optimization. Experiences in the area of bulk synthesis and preparation of organic/fine/specialty chemicals using chemical/electrochemical techniques. Publications/patents in the area of chemical /electrochemical process/technology.	Design & development and Scale up studies for the preparation of organic/ electro-organic synthesis products. Studies on Process parameters/ optimization for the chemical /electrochemical process know-how/technology development.

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EME-16 1 post (ST)@	Scientist Age limit : 37yrs (including relaxation)	Ph.D in Physics	Electro organic and Materials Electrochemistry	Post doctoral experience in the area of solar cells - Dye Sensitized Solar Cell / Organic materials & Photovoltaics, Perovskite Solar cell. Experience in the area of solar cells - Dye Sensitized Solar Cell / Organic materials & Photovoltaics, Perovskite Solar cell. Synthesis of functional materials like electronic, electroceramic, magnetic, / piezoelectric and multiferroic. Publications/patents in the area above areas.	Research, development, synthesis and characterization of functional (electronic/electroceramic/magnetic/piezoelectric/multiferroic) materials and familiar with the characterization of materials using XRD, SEM, TEM, XPS, and PPMS techniques.
CMU-17 1 post (SC)	Scientist Age limit : 37yrs (including relaxation)	M.E / M.Tech in Chemical Engineering Or Ph.D (Submitted) in Chemical Engineering	CECRI Madras Unit	Specialization in simulation, mathematical modelling (theory), experimental studies and software knowledge of COMSOL, CFD in the field of fuel cell.	Evaluation, forecasting of electrochemical energy storage technologies, industry skillset in battery manufacturing. Considerable (1-2 years) experience in molecular level theory sand modelling.
CMU-18 1 post (EWS)	Scientist Age limit : 32yrs	M.E /M.Tech Or Ph.D (Submitted) in any following disciplines : Chemical Engineering / Industrial & Production Engineering /Manufacturing Engineering /Process Engineering/Energy	CECRI Madras Unit	Experience and relevant publications in Techno-economic evaluation and analysis of electrochemical energy storage /assessment of resources and new storage technologies / system design, digitalization (Industry 4.0) approach for battery manufacturing.	Evaluation, forecasting of electrochemical energy storage technologies.

(b) Technical Positions

Post Code/ No. of Positions & Category	Designation & Age limit including relaxation for SC/ST/OBC	Essential Educational qualification & Experience	Division / Theme / Area	Desirable Qualification & Experience	Job Requirements
STO-01 1 post (UR-MD#)	Senior Technical Officer (1) Age limit : 45yrs (including relaxation)	B.Sc. or equivalent with minimum 60% marks and M.Lib.Sc. or equivalent with minimum 55% marks with Two years' experience in Library activity.	Knowledge Resource Centre	Knowledge of Library Management software. Experience in computerized library and documentation services.	To manage subscription, acquisition and classification of information products, content development, manage library website etc.

for definition of Multiple Disabilities pl refer 3 (f) of the advertisement.

Post Code/ No. of Positions & Category	Designation & Age limit including relaxation for SC/ST/OBC	Essential Educational qualification & Experience	Division / Theme / Area	Desirable Qualification & Experience	Job Requirements
TAH-02 1 post (UR)	Technical Assistant Age limit : 28yrs	B.Sc. Botony or equivalent with minimum 60% marks and one year full time professional qualification or one year experience in relevant discipline from a recognized Institute / Organisation. OR Diploma in Horticulture of atleast 3 years full time duration or atleast 2 years full time duration in case of lateral admission in Diploma course, with minimum 60% marks and experience of 02 years in the relevant area/field.	Horticulture and allied services	<ul style="list-style-type: none"> • Work experience on conduct of field trials/plant data observation on floriculture crops. • Naming of flora inside the campus. 	i) Land slapping ii) Adopting water management system iii) Crop management (Horticulture / floriculture)

ST: Scheduled Tribe; SC: Scheduled Caste; OBC: Other Backward Class; UR: Unreserved; HH: Hearing Handicapped; EWS: Economically Weaker Section; MD# = Multiple Disabilities involving Blind, Low Vision, Deaf, Hard of Hearing, One Leg, Both Leg, Leprosy Cured, Dwarfism, Acid Attack Victims, Autism Spectrum Disorder [Mild], Specific Learning Disability, Mental Illness; @: Backlog vacancies

NOTE 1: AFTER APPLYING ONLINE, THE CANDIDATES SHOULD KEEP A SOFT COPY OF HIS / HER APPLICATION. THEY SHOULD NOT SEND ANY HARD COPY OF APPLICATION AFTER ITS SUBMISSION. CANDIDATES SHORTLISTED FOR INTERVIEW & SKILL/TRADE TEST ALONE WOULD BE ASKED, AT AN APPROPRIATE TIME, TO SUBMIT THE HARD COPY OF THEIR APPLICATION.

Note 2: Apart from qualifications indicated above, any other recognized qualification, which is equivalent to the prescribed qualification, shall be treated at par with that qualification subject to production of document showing equivalency by respective university by candidate.

General information and conditions:-

1. Benefits under Council service:-

- These posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc. as admissible to the central government employees and as made applicable to CSIR council employees. Council employees are also eligible for accommodation of their entitled type as per CSIR allotment rules depending on availability in which case HRA will not be admissible.
- In addition to the emoluments indicated against each category of posts, benefits such as applicability of New Pension System, reimbursement of Medical Expenses as per CSIR Rules, Leave Travel Concession (LTC), Conveyance Advance and House Building Advance as made applicable to CSIR employees.
- Scientists in CSIR are also permitted to undertake consultancy and sponsored R&D project activity. Opportunities also arise for foreign deputations for training/presentation of papers/specific assignments etc.
- CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion as per CSRAP Rules for Scientists & Revised Merit and Normal Assessment Scheme for Technical staff.
- Preference will be given to the candidates involved in Product Development / Technology Innovation / Applied Technology / Translational Research etc.**

- f. The appointment to the post shall be governed by the provisions of the Central Civil Services [Conduct] Rules, 1964, Central Civil Services [Classification, Control and Appeal] Rules, 1965 as amended from time to time and other Service Rules to the extent made applicable to the Council Servant and decision of the Council as to their applicability shall be final.

2. Other conditions:-

- a. The number of vacancies indicated against each category is provisional. The Director, CSIR-CECRI has discretion to increase or decrease the number of posts or cancel the entire recruitment process at any stage.
- b. The applicant must be a citizen of India as on the date of application.
- c. 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 on-line applications. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of receipt of the on-line applications. No enquiry on advice for eligibility will be entertained.
The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview/test. A 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 of Result/Thesis Submission/Award date, as the case may be.

SCREENING COMMITTEE WILL ADOPT SHORT LISTING CRITERIA TO RESTRICT THE NUMBER OF CANDIDATES TO BE CALLED FOR INTERVIEW TO A REASONABLE NUMBER BY ANY OR MORE OF THE FOLLOWING METHODS:

- i) On the basis of higher educational qualifications than the minimum prescribed in the advertisement.
- ii) On the basis of higher experience in the relevant field than the minimum prescribed in the advertisement
- iii) On the basis of result of a written test / seminar
- iv) Determine Research specialization / Ph.D discipline, from the topic of Ph.D work as observed through the Title of the Thesis wherever required.
- v) Any other methodology as deemed fit by Screening Committee.
- d. Therefore, candidates are advised not leave any column unfilled and should mention in the application all the educational qualifications, experience, publications, patents, technology developed / commercialised by them in the relevant area, over and above the minimum prescribed qualification, DULY SUPPORTED WITH DOCUMENTS / CERTIFICATES AND MARKSHEETS (Semester wise , Year wise, wherever applicable).
- e. Date of Birth filled by the candidate in the online application form (matching with the date recorded in the Matriculation / Secondary Examination Certificate) will be accepted by CECRI for determining the age and no subsequent request for change will be considered or granted.
- f. In respect of equivalent clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated. Non submission of such a document will be rejected as invalid application.
- g. 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.**
- h. The date for determining the upper age limit, essential qualifications and /or experience shall be the **closing date of submission of on-line applications.**
- i. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum educational qualifications prescribed for the position.
- j. Persons with Benchmark disabilities fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply. Relaxation in age limit shall be applicable irrespective of the fact whether the post is reserved for them or not.
- k. In case a candidate is staying abroad, his/her candidature may be considered in absentia by Selection Committee only upon his/her written request.**
- l. Only outstation eligible candidates called and found eligible for interview will be paid 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 Tickets/Rail Ticket Numbers or any other proof of journey.
- m. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview/test. Such candidate will not be paid any fare.
- n. The decision of the Director, CSIR-CECRI in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and conduct of examination/seminar/Interview/test will be final and binding on the candidates.
- o. Canvassing in any form and / or bringing any influence political or otherwise will be treated as a disqualification for the post.

- p. **Notification regarding details of candidates screened in /short listed to be called for interview & skill/trade test and Selection will be updated through CECRI website: <http://www.cecri.res.in> from time to time. Candidates are advised to see the CECRI website regularly in this regard for updates.**
- q. The Competent Authority reserves the right to amend, delete and add terms & conditions to this advertisement.
- r. NO INTERIM ENQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

3. Relaxations :-

- a. The upper age limit is relaxable upto 05 (five) years for SC/ST and 03 (three) years for OBC as per Government orders in force only in those cases where the posts are reserved for respective categories, on production of relevant certificate for verification in the prescribed format signed by the specified authority at the time of interview & skill/trade test.
- b. The Certificate for Backward Caste must clearly indicate that the candidate does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt(SCT) dated 8/9/93 as amended from time to time. The OBC certificate should be in the format **FOR APPOINTMENT TO POSTS UNDER THE GOVERNMENT OF INDIA** with reference to relevant Government of India Orders meeting the Creamy Layer Criteria as laid down by Government of India and not for appointment in any of the States bearing references to those State Government Orders. OBC candidate's eligibility will be based on Castes borne in the Central List of Govt. of India. Their Sub-caste should match with the entries in Central List of OBC, failing which their candidature will not be considered under any of the applied reserved category and will be treated as UR, if otherwise eligible. **The OBC candidates who belong to "Creamy layer" are not entitled to concession admissible to OBC category and such candidates have to indicate their category as General.**
- c. The Benefit of reservation under EWS can be availed upon production of an Income and Asset Certificate issued by a Competent Authority as per DoPT O.M. No.36039/1/2019-Estt(Res) dated 31stJanuary 2019. The income and Asset Certificate issued by specified authorities in the prescribed format shall only be accepted as proof of candidate's claim as belonging to EWS.
- d. Upper age limit is also relaxable upto 05 (five) years for the regular employees working in CSIR laboratories / institutes, Central/State Government Departments, Autonomous Bodies and Public Sector undertakings. This relaxation will be admissible to those who rendered 3 years of regular and continuous service as on closing date for receipt of the application.
- e. As per GOI provisions, age relaxation for Widows, Divorced Women and Women Judicially separated from Husbands, who are not remarried, the upper age limit is relaxable up to the age of 35 years (40 years for SC/ST) 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 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 judgement/decree of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be, with an Affidavit in respect of divorced Women that they have not remarried since.
- f. Age relaxation to Persons with Benchmark Disabilities category: Age relaxation of 10 years is allowed [total 15 years for SC/ ST and 13 years for OBC candidates] to the persons suffering from the following disabilities as per GOI orders:
 - a) blindness and low vision;
 - b) deaf and hard of hearing;
 - c) locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy;
 - d) autism, intellectual disability, specific learning disability and mental illness;
 - e) multiple disabilities from amongst persons under clauses a) to d) including deaf-blindness.

The persons 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 of India for each individual.

- g. Relaxation in age, over and above the stipulated limit, educational qualification and / or experience may be considered in case of exceptionally meritorious candidate(s) or if sufficient number of candidates possessing the requisite qualification and/ or experience are not available to fill up the posts with the approval of Competent Authority.

- h. Relaxations in the upper age limit are applicable to all the categories as per Government of India instructions including Ex-Servicemen subject to the fulfilment of conditions prescribed for availing the same.

4. Mode of selection:-

- i) **Selection procedure for the Scientist and Senior Technical Officer (1):** The candidates as recommended by the Screening Committee will be invited for interview or any mode decided by Screening Committee.
- ii) **Selection Procedure for the Technical Assistant:** The candidate as recommended by the Screening Committee will be invited for Skill/Trade Test. Those who qualify in the Skill/Trade test will be called for a Competitive written examination in Mental Ability Test, General Awareness, English Language and concerned subject. The final merit list will be prepared on the basis of the performance of the candidates in the competitive written examination. Syllabus for the examination is attached herewith as **Annexure-I**.

5. Application fee:-

- a. The candidate has to remit an application fee of **Rs.500/-** through Net Banking only (**Payment of fee through Mobile Banking should be avoided as it does not match with the banker's transaction reference number**) to the following account and fill up the transaction details in the prescribed columns of online application:

Name of Account Holder: Director, CSIR–CECRI, Karaikudi
Account Number: 737253625
Bank Name: Indian Bank, A.C. Campus Branch, Karaikudi
IFS Code: IDIB000A008
MICR No.: 630019203
SWIFT Code: IDIBINBBMDN

- b. The candidates belonging to SC/ST/PwBD/Women/CSIR Employees are exempted from payment of application fee. The candidates staying abroad are required to remit the bank commission charges along with the application fee.

6. How to apply :-

- a. Eligible candidates are required to apply only through ONLINE APPLICATION in the link available on CSIR-CECRI's website **<http://www.cecri.res.in>**. Instruction to fill up Online Application is also given in the CSIR-CECRI website.
- b. If the candidate does not have a valid email id, he/she should create a new email id before applying online.
- c. The candidate has to register with his / her name, email-id and password.
- d. Candidates who wish to apply for more than one Post Code, must submit separate Online Application form for each Post Code alongwith Application Fee thereof (if applicable).**
- e. After successful registration, the candidate has to login using the credentials and fill up the Online application form.
- f. The candidate is required to upload a recent (i.e. not more than three month old) scanned colour passport size photograph in JPEG format (max 100 KB) with image dimension of about 300px (width) x 400px (height). The photograph should be without cap and both ears should be visible. The date on which the photograph has been taken should be printed on the photograph. The application without photograph is liable to be rejected as invalid.
- g. The candidate is required to upload his/her signature in JPEG format (max 100 KB) with image dimension of about 130px (width) x 150px (height). The application without signature is liable to be rejected as invalid.
- h. After filling-up the Online Application form, the candidate can verify / edit the application to ensure that the application is complete and correct in all aspects. After finalizing, candidate can finally submit the application online and take a print out of the application and keep it with himself/herself.
- i. After submission of ONLINE APPLICATION(s), the applicants **SHOULD NOT SEND ANY HARD COPY OF APPLICATION** at this stage. They should keep / retain a soft copy of their Online Application / keep a print out of online computer generated Application form.
- j. As and when a candidate is shortlisted for Interview & skill/trade test, he / she would be asked to submit signed Hard Copy of his/her application alongwith self-attested copies of all the certificates / documents uploaded by them in the Online Application form.

The eligibility of candidate will be checked on the basis of information / documents submitted by them in the Online Application form. Therefore, candidates are advised that they should fill the Application form with utmost care and not leave any column unfilled. They should upload all certificates (including mark sheets) of 10th, 12th, Undergraduate, Postgraduate, Ph.D, Diploma/Certificate Courses, experience (if applicable) along with payment receipt (if applicable).

- k. Any discrepancy found between the information given in application and as evident from the supporting documents submitted will render candidate ineligible.
- l. Candidates called for Interview & skill/trade test will be allowed to appear for Interview & skill/trade test only if their duly signed Hard Copy is received.
- m. 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.
- n. After filling-up the electronic application form, the candidate can verify/edit the application to ensure that the application is complete and correct in all aspects. After finalizing, the candidate can print the application.
- o. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any account nor can it be held in reserve for any other recruitment or selection process.
- p. Applications from employees of Government Departments will be considered only if forwarded **through proper channel**, certified by the employer that the applicant, if selected will be relieved within one month of the receipt of the appointment order. Also, vigilance clearance should be recorded. However, advance copy of the application may be submitted before the closing date.
- q. Incomplete applications i.e. application without photograph, unsigned, without application fee (if applicable), without requisite testimonials / documents / all certificates in support of claims made by the candidates in the Online Application form will be rejected as invalid.

7. Candidates CALLED FOR INTERVIEW & SKILL / TRADE TEST shall only have to submit the following documents by post /courier:

- a) Printout of Online Application form duly SIGNED BY THE CANDIDATE.
- b) Printed copy of e-receipt/challan for the application fee of Rs.500/- (wherever applicable).
- c) Colour photograph pasted on the Application Form and signed across.
- d) Self-Attested photocopy of Matriculation or equivalent certificate for age proof.
- e) Self-Attested photocopies of all educational qualification(s) certificate(s) and all mark sheets thereof (Semester wise/Year wise)
- f) Self-Attested photocopies of all experience certificate(s), if any.
- g) Self-Attested photocopy of caste/community/disability /weaker section /ESM certificate, if applicable.
- h) In case of widow/divorced women/judicially separated women or Ex-servicemen, the relevant certificate to be attached.
- i) No objection certificate (NOC) (from Govt. /Autonomous Body/Public Sector employees) if employed / proper channel application, wherever applicable.
- j) Self-Attested copies/ reprints of Publications/ Research Papers/ Patents etc., if any.
- k) Copy of AADHAR card (Desirable)

Note 3: CSIR / CSIR-CCERI reserves the right to hold the interview either physically or through virtual mode.

Controller of Administration
CSIR-Central Electrochemical Research Institute
Karaikudi - 630003, Tamilnadu

The Syllabus of Written Examination for Technical Assistant

There will be three papers. The second and third paper will be evaluated only for those candidates who secure the minimum threshold marks in Paper-I.

Mode of Examination	OMR based or Computer based objective Type Multiple choice examination.
Medium of Questions	The questions will be set both in English and Hindi except the questions on English Language
Standard of exam	Diploma/Graduation Level (based on the advertised qualification of the post)
Total No. of Questions	200
Total time Allotted	3 hours

PAPER – I (Time Allotted – 1 hour)

Subject	No. of questions	Maximum Marks	Negative Marks
Mental Ability Test*	50	100 (two marks for every correct answer)	<u>There will be no negative marks in this paper.</u>

*Mental Ability Test will be so devised so as to include General Intelligence, Quantitative Aptitude, Reasoning, Problem Solving, Situational Judgment, etc.

PAPER – II (Time Allotted – 30minutes)

Subject	No. of questions	Maximum Marks	Negative Marks
General Awareness	25	75 (three marks for every correct answer)	One negative mark for every wrong answer
English Language	25	75 (three marks for every correct answer)	One negative mark for every wrong answer

PAPER – III (Time Allotted – 90 minutes)

Subject	No. of questions	Maximum Marks	Negative Marks
Concerned Subject	100	300 (three marks for every correct answer)	One negative mark for every wrong answer
