

SOLAR ENERGY CORPORATION OF INDIA
(A Govt. of India Enterprise)
NEW DELHI – 110 017

ADVERTISEMENT NO.3/2013

INVITES APPLICATIONS **ON LINE** FOR THE FOLLOWING POSITIONS:

Post Code	Name of the Post	Nos.	Pay Scale (in Rs.)	Min. PQ Exp. (in yrs.)	Max. Age (in yrs.)
SOLAR					
01	ADDL. GENERAL MANAGER (SOLAR)	01	43,200-66,000	15	48
02	DEPUTY GENERAL MANAGER (SOLAR)	03	36,600-62,000	12	45
03	DEPUTY MANAGER (SOLAR)	04	24,900-50,500	03	30
POWER SYSTEMS					
04	ADDL. GENERAL MANAGER (COMMERCIAL)	01	43,200-66,000	15	48
05	ADDL. GENERAL MANAGER (CONTRACTS)	01	43,200-66,000	15	48
06	SENIOR MANAGER (BUSINESS DEVELOPMENT)	01	32,900-58,000	09	40
07	SENIOR MANAGER (CONTRACTS)	02	32,900-58,000	09	40
08	SENIOR MANAGER (QUALITY ASSURANCE)	01	32,900-58,000	09	40
09	SENIOR MANAGER (IT)	01	32,900-58,000	09	40
10	MANAGER (CORPORATE PLANNING)	01	29,100-54,500	06	35
11	DEPUTY MANAGER (POWER SYSTEMS)	01	24,900-50,500	03	30
12	DEPUTY MANAGER (IT)	01	24,900-50,500	03	30
FINANCE					
13	ADDL. GENERAL MANAGER (FINANCE)	01	43,200-66,000	15	48
14	DEPUTY GENERAL MANAGER (FINANCE)	02	36,600-62,000	12	45
15	SENIOR MANAGER (FINANCE)	01	32,900-58,000	09	40
16	MANAGER (FINANCE)	01	29,100-54,500	06	35
17	SENIOR ACCOUNTS OFFICER	02	20,600-46,500	01	28
18	SUPERVISOR (ACCOUNTS)	03	11,000-29,300	03	29
HUMAN RESOURCES					
19	SENIOR PERSONNEL OFFICER	02	20,600-46,500	01	28
20	PERSONAL ASSISTANT	02	Please refer details		
OTHER POSTS					
21	SENIOR ENGINEER	10	20,600-46,500	01	28

On line Registration Opens: 19th June 2013 and Closes: 10th July 2013

For full details please visit www.mnre.gov.in OR <http://jobapply.in/solar>

SOLAR ENERGY CORPORATION OF INDIA

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Solar Energy Corporation of India, a Government of India Enterprise, under the Administrative Control of Ministry of New and Renewable Energy was set up in September 2011. The Corporation presently mandated to Own and Manage both grid connected and off-grid solar applications, Promote R&D, assist the Ministry in achieving JNNSM Objectives, is also exploring opportunities in NBFC, Trading of Power, Consultancy. To take up challenges, the Corporation invites applications **ON LINE** from energetic and promising professionals for the following positions:

A. SOLAR

Post Code. 01: Additional General Manager (Solar) (E7)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.43,200-66,000 (IDA Pattern)

Age: not exceeding 48 years

Eligibility Criteria:

- a) A First Class Full-time Graduation in Engineering in Electrical or Mechanical or Electronics or Chemical or Masters Degree in Physics. M.Tech. or M.E. or M.S. or Doctorate in Solar Energy related areas would be preferred.
- b) Should have minimum post-qualification executive experience for 15 years in Energy Sector with minimum of 2 years in the immediate lower pay scale of Rs.36,600-62,000/- or equivalent.
- c) The selected candidate should possess leadership qualities and be able to conceive and implement business plans in diversified areas of solar energy including setting up solar power projects. Out of the above years' experience, at least 7 years should be in Solar projects including off-grid and/or grid applications and/or thermal applications.

Post Code. 02: Deputy General Manager (Solar) (E6)

No. of Posts: 03 (THREE)

Scale of Pay: Rs.36,600-62,000 (IDA Pattern)

Age: not exceeding 45 years

Eligibility Criteria:

- a) A First Class Full-time Graduation in Engineering in Electrical or Mechanical or Electronics or Chemical or Masters Degree in Physics. M.Tech. or M.E. or M.S. or Doctorate in Solar Energy related areas would be preferred.

- b) Should have minimum post-qualification executive experience for 12 years in Energy Sector working in Research and Development, Designing of systems / devices, Performance monitoring and data analysis monitoring and performance analysis of the Schemes. Minimum of 2 years in the immediate lower pay scale of Rs.32,900-58,000/- or equivalent is essential.
- c) Out of the above years' experience, at least 5 years should be in Solar projects including off-grid and/or grid applications and/or thermal applications.

Post Code.03: Deputy Manager (Solar) E-3

No. of Posts: 04 (FOUR)

Scale of Pay Rs.24,900-50,500 (IDA PATTERN)

Age: not exceeding 30 years

Eligibility Criteria:

- a) A First Class Full-time Graduation in Engineering in Electrical or Mechanical or Electronics or Chemical, or Masters Degree in Physics.
- b) Should have minimum post-qualification executive experience for 3 years in Energy Sector in preparation of DPRs, setting up projects etc. Out of the above years' experience, at least 2 years should be in Solar power projects both off-grid and/or grid applications.

B. POWER SYSTEMS

Post Code.04: Additional General Manager (Commercial) (E7)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.43,200-66,000 (IDA Pattern)

Age: not exceeding 48 years

Eligibility Criteria:

- a) A First Class Full time Graduation in Engineering or First Class Full time Masters in Business Administration with specialisation in Marketing/Energy. A First Class Engineering graduation with MBA/PGDM would be an added advantage.
- b) The incumbent should have first-hand experience in handling independently all commercial functions preferably in power sector in the areas of finalising Commercial contracts, negotiation, preparation and filing power tariff petitions, billing, revenue realisation, dealing with state power utilities / Discoms/RPC's, energy accounting and reconciliation of energy account, finalisation of power purchase agreements/power sales agreements/Transmission Service Agreement, settlement of commercial disputes etc. The incumbent should be well versed with regulatory frameworks of State and Central Electricity Regulatory Commissions and other statutory authorities regulating power sector, particularly regulations on transmission & generation tariff, trading, Renewable Energy regulations as well as rules & procedures including filling of open access etc.

- c) At least 15 years post-qualification executive experience with minimum 2 years' experience in the immediate below pay scale of Rs.36,600-62000/- or equivalent.

Post Code. 05: Additional General Manager (Contracts) (E7)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.43,200-66,000 (IDA Pattern)

Age: not exceeding 48 years

Eligibility Criteria:

- a) A First Class Full time Graduation in Engineering or First Class Full time Masters in Business Administration in Materials Management/Energy. A First Class Engineering graduation with MBA/PGDM would be an added advantage.
- b) The incumbent shall be heading the Contracts Department. The Candidate should have professional experience in Contract Management (end to end) & formation of contractual policies & procedures preferably in Power Sector. Candidate should have hands on experience & well conversant with preparation & floating of tenders, contract formulation, Bid evaluation, Techno Commercial negotiations & finalisation of contracts including contracts/purchasing being funded by International funding Agencies. He / She should possess good analytical skills & should be well conversant with procurement procedures & policies.
- c) At least 15 years post-qualification executive experience with 2 years' experience in the immediate below pay scale of Rs.36,600-62000/- or equivalent.

Post Code. 06: Senior Manager (Business Development) (E5)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.32,900-58,000 (IDA Pattern)

Age: not exceeding 40 years

Eligibility Criteria:

- a) A First Class Full time Graduation in Engineering or First Class Full time Masters in Business Administration in Marketing/Energy. An Engineering Graduate with MBA will have added advantage.
- b) The incumbent should have a good knowledge of Indian Power Sector, Power market, renewable energy sector and hands-on experience in initiation, developing and coordinating marketing strategies, assessment and development of products and services as per client needs, market intelligence, building brand and company's image etc.
- c) At least 9 years post-qualification executive experience with 2 years' experience in the immediate below pay scale of Rs.29,100-54,500/- or equivalent out of which at least 2 years should be in Solar Industry.

Post Code.07: Senior Manager (Contracts) (E5)

No. of Posts : 02 (TWO)

Scale of Pay : Rs.32,900-58,000 (IDA Pattern)

Age: not exceeding 40 years

Eligibility Criteria

- a) A First Class Full time Graduation in Engineering or First Class Full time Masters in Business Administration in Materials Management/Energy. A First Class Engineering graduation with MBA/PGDM would be an added advantage.
- b) The incumbent should have hands-on experience preferably in power sector in preparation cost estimates, tender documents for all types of contracts, negotiation, award, post implementation liabilities, dispute resolution etc. The individual should have good knowledge of guidelines on works and procurement procedures, e-procurement.
- c) At least 9 years post-qualification executive experience with 2 years' experience in the immediate below pay scale of Rs. 29,100-54,500/- or equivalent.

Post Code.08: Senior Manager (Quality Assurance) (E5)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.32,900-58,000 (IDA Pattern)

Age: not exceeding 40 years

Eligibility Criteria:

- a) A First Class Full time Graduation in Electrical or Mechanical or Electronics & Communication Engineering or Full time MBA in Energy. A First Class Engineering graduation with MBA/PGDM would be an added advantage.
- b) The Candidate should have experience in Quality Assurance, Control and Inspection Departments preferably in Power Sector, particularly, in the areas of documenting QA system, analysis, establishing acceptance criteria, sources of supplies, Quality Audit, ISO Certification, Vendor assessment and rating etc.
- c) At least 9 years post-qualification executive experience with 2 years' experience in the immediate below pay scale of Rs.29,100-54,500/- or equivalent, out of which, at least 2 years should be in Solar Industry.

Post Code.09: Senior Manager (IT) (E5)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.32,900-58,000 (IDA Pattern)

Age: not exceeding 40 years

Eligibility Criteria:

- a) A First Class Full time Engineering Graduate in Computer Science or Information Technology or full time MCA or an Engineering Graduate with M.Tech in Computer Science or Information Technology. MBA will be an added advantage.
- b) The candidate should have experience in hardware, software, network administration, installation and trouble shooting and IT enabled project monitoring etc. The incumbent should be in position to frame IT roadmap for the Company, growth strategy for Information System, IT Man-power planning, policies & procedures for EDP and Computer Systems, Management Information System, IT Security Systems viz., Firewalls etc. and training & resource development etc.
- c) At least 9 years post-qualification executive experience with 2 years' experience in the immediate below pay scale of Rs.29,100-54,500/- or equivalent.

Post Code 10: Manager (Corporate Planning) (E4)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.29,100-54,500 (IDA Pattern)

Age: not exceeding 35 years

Eligibility Criteria:

- a) A First Class Full time Graduation in Engineering or First Class Fulltime Masters in Business Administration with specialisation in Marketing/ Finance/Energy. A First Class Engineering graduation with MBA/PGDM would be an added advantage.
- b) The Candidate should have good understanding of energy sector preferably renewable energy, power sector and power market, regulatory & policy framework. The candidate should have experience in Project Planning, Coordination with internal and external agencies, Monitoring and Reporting performance, analysis of delays and troubleshooting etc. Use of Primavera is an added advantage.
- c) At least 6 years post-qualification executive experience with 2 years' experience in the immediate below pay scale of Rs.24,900 – 50,500/- or equivalent.

Post Code. 11: Deputy Manager (Power System) (E3)

No. of Posts : 01 (ONE)

Scale of Pay: Rs.24,900-50,500 (IDA Pattern)

Age: not exceeding 30 years

Eligibility Criteria:

- a) A First Class Full time Graduation in Electrical or Electronics & Communication Engineering or Power Engineering.
- b) Should have experience in Engineering activities related to substations, transmission line, cost estimation, Techno Commercial evaluation of projects, project management and monitoring etc.
- c) At least 03 years Post-qualification executive experience.

Post Code. 12: Deputy Manager (IT) (E3)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.24,900-50,500 (IDA Pattern)

Age: not exceeding 30 years

Eligibility Criteria:

- a) A First Class Full time Engineering Graduate in Computer Science or Information Technology or full time MCA. MBA will be an added advantage.
- b) Should have experience in hardware, software, installation, network administration, trouble shooting and IT enabled project monitoring etc.
- c) At least 03 years Post-qualification executive experience.

C. FINANCE

Post Code. 13: Additional General Manager (Finance) (E7)

No. of Posts: 01 (ONE)

Scale of Pay: Rs..43,200-66,000 (IDA Pattern)

Age: not exceeding 48 years

Eligibility Criteria:

- a) Qualified Chartered Accountant or Cost Accountant or Full time Masters in Business Administration in Finance or Post Graduate Diploma (at least 18 months) with specialisation in Finance.
- b) Should have minimum post-qualification experience for 15 years with minimum of 2 years in the immediate below pay scale of Rs.36,600-62,000/- or equivalent with working experience in Project finance, domestic and international fund mobilisation, risk analysis, Receivables management, Treasury management, Working capital management, Balance sheet finalisation, taxation, Budgeting, & Commercial.
- c) The selected candidate should possess leadership qualities and be able to conceive and implement business plans.

Post Code. 14 : Deputy General Manager (Finance) (E6)

No. of Posts: 02 (TWO)

Scale of Pay: Rs.36,600-62,000 (IDA Pattern)

Age: not exceeding 45 years

Eligibility Criteria:

- a) Qualified Chartered Accountant or Cost Accountant or Full time Masters in Business Administration in Finance or Post Graduate Diploma (at least 18 months) with specialisation in Finance.
- b) Should have minimum post-qualification Executive experience for 12 years with minimum of 2 years in the immediate below pay scale of Rs.32,900-58,000/- or equivalent with working experience in Project finance, domestic and international fund mobilisation, risk analysis, Receivables management, Treasury management, Working capital management, Balance sheet finalisation, taxation, Budgeting, & Commercial.

Post Code. 15: Senior Manager (Finance) (E5)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.32,900-58,000 (IDA Pattern)

Age: not exceeding 40 years

Eligibility Criteria:

- a) Qualified Chartered Accountant or Cost Accountant or Full time Masters in Business Administration in Finance or Post Graduate Diploma (at least 18 months) with specialisation in Finance.
- b) Should have minimum post-qualification Executive experience for 9 years with minimum of 2 years in the immediate below pay scale of Rs.29,100-54,500/- or equivalent with working experience of Treasury Management, budgeting, Commercial, costing, payments, MIS, Internal Control, Accounting, Audit & Taxation.

Post Code. 16: Manager (Finance) (E4)

No. of Posts: 01 (ONE)

Scale of Pay: Rs.29,100-54,500 (IDA Pattern)

Age: not exceeding 35 years

Eligibility Criteria:

- a) Qualified Chartered Accountant or Cost Accountant or Full time Masters in Business Administration in Finance or Post Graduate Diploma (at least 18 months) with specialisation in Finance.
- b) Should have minimum post-qualification Executive experience for 6 years with minimum of 2 years in the immediate below pay scale of Rs.24,900-50,500/- or equivalent with working experience of Long term borrowings & debt servicing, budgeting, Commercial, costing, payments, MIS, Internal Control, Accounting, Audit & Taxation.

Post Code. 17: Senior Accounts Officer (E2)

No. of Posts: 02(TWO)

Scale of Pay: Rs.20,600-46,500 (IDA Pattern)

Age: not exceeding 28 years

Eligibility Criteria:

- a) Graduate with Final Pass from the Institute of Chartered Accountants or Institute of Cost Accountants of India.
- b) Should have one year post qualification experience.

Post Code. 18: Supervisor (Accounts) (S2)

No. of Posts: 03 (THREE)

Scale of Pay: Rs.11,000-29,300 (IDA Pattern)

Age: not exceeding 29 years

Eligibility Criteria:

- a) Graduate with Inter Pass from the Institute of Chartered Accountants or Institute of Cost Accountants of India.
- b) Should have 3-year post qualification (Inter CA or Inter Cost Accountant) experience.

D. HUMAN RESOURCES

Post Code. 19: Senior Personnel Officer (E2)

No. of Posts: 02 (TWO)

Scale of Pay: Rs.20,600-46,500 (IDA Pattern)

Age: not exceeding 28 years

Eligibility Criteria:

- a) A Graduate with two years Full-time Post Graduation in HR or IR or Full-time MBA in Personnel Management or HRM or Two years Full-time post-graduate Diploma in Personnel Management or Industrial Relations or HRM.
- b) One year post-qualification experience.

Post Code. 20 : Personal Assistant

No. of Posts : 02 (TWO) (to be recruited in any level)

Scale of Pay: Rs.10600-28900 S1; 11000-29300 S2; and 11400-31300 S3 level

Age: 26 years for S1; 29 years for S2; and 32 years for S3 level

Eligibility Criteria

- a) A Graduate with English Shorthand and Typing having speed of 100 w.p.m. and 40 w.p.m. respectively Excellent command in basic computer applications is essential.
- b) Should have experience in a company or in Government sector of 1 year for S1 level, 3 years for S2 level; and 6 years for S3 level.

E. OTHER POSTS

Post Code. 21: Senior Engineer (E2)

No. of Posts: 10 (TEN)

Scale of Pay: Rs.20,600-46,500 (IDA Pattern)

Age: not exceeding 28 years

Eligibility Criteria:

- a) A Full time First Class Engineering Graduate in Electrical; or Mechanical; or Electronics; Control & Instrumentation; or Energy; and,
- b) One year post qualification experience in Research Projects or Industry.

OR

- a) A Full time Engineering Graduate in Electrical; or Mechanical; or Electronics; or Control & Instrumentation; or Energy; **and**,
- b) M.Tech or M.E. or M.S. in Energy

PERMISSIBLE DISCIPLINES

In respect of Posts mentioned above wherever the prescribed qualification is as per col.1 below, the prescribed full time degrees in engineering as specified in col.2 are permitted:

Degree	Permissible Branches
1	2
Electrical	Electrical; Electrical & Electronics; Electrical, Instrumentation and Control; Electrical Power
Mechanical	Mechanical; Power Engineering
Control & Instrumentation	Electronics & Instrumentation; Instrumentation & Control
Electronics	Electronics; Electronics & Telecommunications; Electronics & Communication; Electrical & Electronics; Electronics & Power
Energy	Energy; Energy Systems; Energy Engineering; Energy Management; Renewable Energy; Energy Management and Energy Studies; Energy and Environment

SELECTION CRITERIA – FOR POST Code No.01 TO 16

The criteria for selection for the posts are Personal Interview only for the posts under serial number 01 to 16 (both inclusive). Candidates up to a ratio of 1:10 shall be considered in order of merit for Personal Interview. However depending upon the number of applications, Management have a right to change the ratio.

SELECTION CRITERIA – FOR POST Code No.17, 19 AND 21

Written test shall be held if number of applications after shortlisting as per eligibility criteria for the post are 50 and above. The Written Test Carries 100 marks. The Group Discussion carries 50 marks and Interview carries 50 marks. Candidates securing 50% marks (45% for SC/ST/PWD) and above in written test shall be shortlisted in the ratio of 1:5 for Group Discussion and Interview. 85% weightage will be accorded for written test and 15% weightage will be accorded for the combined marks of Group Discussion and Interview. The selected candidates will be finally empanelled in order of merit based on the total weightage of written test, group discussion and interview.

In the event of applications less than 50, the candidates shall undergo Group Discussion and Interview. Candidates shall be shortlisted for Group Discussion based upon Experience and Educational Qualification in the ratio 1:10. The Group Discussion and the Interview carries 50 marks each. The selected candidates will be finally empanelled in order of merit based on the total marks obtained in Group Discussion and Interview.

However depending upon the number of applications, Management have a right to change the ratio.

SELECTION CRITERIA – FOR POST Code No. 18

Written test shall be held if number of applications for the post are 50 and above The Written Test Carries 50 marks. and Interview carries 50 marks. Candidates securing 50% marks and above in written test shall be shortlisted in order of merit in the ratio of 1:5 for Interview. 85% weightage will be accorded for written test and 15% weightage will be accorded for the marks of Interview. The selected candidates will be finally empanelled in order of merit based on the total weightage of written test, and interview.

In the event of applications less than 50, the candidates shall undergo Interview. Candidates shall be shortlisted for Interview based upon Experience and Educational Qualification in the ratio 1:10. The Interview carries 50 marks each. The selected candidates will be finally empanelled in order of merit based on the marks obtained in the Interview.

However depending upon the number of applications, Management have a right to change the ratio.

SELECTION CRITERIA – FOR POST Code No. 20

The Skill Test consists of 10 minutes dictation @ 100 w.p.m. which is required to be translated and typed in Computer in 40 minutes. 10% mistakes are allowed. Candidates passing the skill test shall only be shortlisted in the ratio of 1:10 in order of merit for interview. Interview carries 50 marks. Selected candidates will be finally empanelled in order of merit based on the marks obtained in the Interview. However depending upon the number of applications, Management have a right to change the ratio.

AGE:

1. The upper age limit is considered as on the closing date of advertisement.
2. The Upper Age limit is also relaxed in case of Ex-servicemen as per Government of India Notifications.
3. The Upper Age limit is also relaxed in deserving cases.

COMPENSATION PACKAGE

Besides basic pay, VDA, Allowances @ 50% of basic pay, HRA, (Lease in respect of Executives only) PF, Medical, Gratuity, Insurance, post-retirement facilities etc. are applicable as per Rules of the Company.

RESERVATIONS AND RELAXATIONS

01. The Upper Age Limit is relaxed by 5 years in case of SC/ST Candidates and 3 years in case of OBC-NC candidates for all posts. The Age is relaxed by 10 years for PWD-General, 13 years for PWD-OBC and 15 years for PWD-SC/ST Candidates.

02. Reservations for SC/ST/OBC are as under:

Sr.No.	Level	Total	General	SC	ST	OBC
1	E7	04	03	-	-	01
2	E6	05	04	-	-	01
3	E5	06	04	01	-	01
4	E4	02	01	-	-	01
5	E3	06	03	01	-	02
6	E2	14	06	02	01	05
7	Sup	05	04	-	-	01

03. SC/ST/PWD Candidates with at least 55% of average marks of all Semesters in Qualifying examination are eligible to apply for the post wherever First Class Graduation is prescribed.

04. SC/ST/PWD Candidates appearing for Written Test wherever conducted are reimbursed IInd Sleeper train fare from their mailing address to the examination station and back on production of proof of travel. The candidates belonging to SC/ST/PWD category must download the claim form available on the website. The filled in claim form along with Xerox copies of tickets (to and fro journey) and copy of caste certificate must be submitted to the concerned authorities at the examination centre.

05. Category (SC/ST/OBC/PWD) once filled in the application form will not be changed and no benefit of other category will be admissible later on.

GENERAL CONDITIONS

1. Indian Nationals only need to apply.
2. The Applications to be submitted **ON LINE on the website** <http://jobapply.in/solar>
3. Applications sent other than the prescribed method stands rejected.
4. Candidate should upload photograph and signatures as per sizes specified.
5. Application Fee of Rs.500/- (Rs.250/- for SC/ST/PWD) per post to be paid through Credit Card or Debit Card only.
6. Candidates will be required to register before applying. It may be noted that a candidate can apply for one post against one registration through a single email id. If a candidate wishes to apply for more than one post then, he has to register again with a separate email id.
7. Fee once paid will not be refunded under any circumstances. Candidates are therefore requested to verify their eligibility before applying.
8. The candidates should have minimum adequate experience as on closing date mentioned above in Organisation of Repute.
9. The Email ID entered in the application form must remain valid for at least next one year. All future correspondence would be sent via E-mail only.
10. Candidates working in Central/State/Public Sector Undertakings should submit their Relieving Orders at the time of joining in case of selection.
11. The candidates applying should ensure that they fulfil all eligibility conditions. Their admission at all stages is purely provisional. Mere issue of letter for written test or interview letter will not imply that candidature has been accepted. Verification of Original Certificates will be done only at the time of Interview. The candidature of a candidate shall be cancelled at any point of time if the candidate is found not meeting the advertised eligibility criteria.
12. In case of Written Test, the same shall be held at **Delhi only**. It may be noted that Admit Cards for written test will not be sent by post. Candidates have to download the Admit Cards from the website <http://jobapply.in/solar> only and follow the instructions specified in the Admit Cards.
13. The Candidates called for Personal Interview shall be reimbursed single return train fare from the place of mailing address (in India) to place of interview upon production of PNR/ticket. The fare shall be 2nd AC fare for the posts with Code No.01 to 17, 19 & 21; 3rd AC fare for the post Code Nos. 18 & 20.

14. SC/ST Candidates should possess valid Certificate in the prescribed format. Candidates from OBC-NC category should possess certificate in the prescribed format and issued during the current year i.e. 2013.
15. The Management reserves the right to increase or decrease the number of posts or consider for lower posts/grades or not to fill up any of the posts or raise the minimum eligibility standards, change the selection criteria, cancel recruitment process without assigning any reason.
16. Higher Start may be considered in deserving cases.
17. Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement and or an application in response thereto can be instituted only in Delhi and Courts at Delhi only shall have sole and exclusive jurisdiction to try any such cause/dispute.
- 18. On line registration opens : 19th June 2013 and closes: 10th July 2013**
- 19. ALL NOTIFICATIONS TO THE CANDIDATES WILL BE DISPLAYED IN THE WEBSITE WWW.MNRE.GOV.IN or <http://jobapply.in/solar> ALL THE APPLICANTS ARE REQUESTED TO VISIT THE WEBSITE FROM TIME TO TIME TO GET UPDATES.**
- 20. INFORMATION FOR THE POST OF SENIOR ENGINEER (IN CASE OF WRITTEN TEST)**
- A) Downloading of Admit Cards for Written Test : **01st August 2013 onwards**
- B) Date of Written Test : **18th August 2013**
- C) Result Declaration: **25th August 2013**
- D) Written Test Total Marks = 100. Duration: 120 minutes. Multiple Choice Objective type. 1 mark will be awarded for every correct answer. There will be a negative marking @ $\frac{1}{4}$ (0.25) marks for every incorrect / wrong answer.
- E) The Written Test Paper consists of
- (i) General Aptitude & Reasoning – 20 questions - 20 marks;
 - (ii) General Engineering consisting of Maths, Physics, Chemistry and Basic Engineering – 40 questions - 40 marks;
 - (iii) Solar & Renewable related – 40 questions - 40 marks.
- F) **The syllabus proposed to be covered for Part-(iii) is as under:**

Basics of Renewable Energy Resources and Technologies

- National and global energy scenario and issues with fossil fuel utilization
- Different renewable sources of energy, their origin, basic characteristics and resource assessment
- Need and relevance of renewable energy based power generation
- Thermo-chemical and bio-chemical conversion of biomass, bio-diesel
- Wind Energy: availability in the wind, Betz limit, conversion systems-horizontal axis and vertical axis turbines
- Mini and micro-hydro power systems, different types of hydro turbines, site selection, speed and voltage regulation

Solar Photovoltaic Devices and Systems

- National and International perspective on the deployment of solar PV technologies
- Photovoltaic effect and photovoltaic materials
- Solar cells and their characterization
- Crystalline and thin film solar cells, multi-junction solar cells
- Concentrator photovoltaic systems
- Photovoltaic power generation (large grid connected as well as rooftop)
- Decentralized applications: solar lanterns, home systems, solar pumps, mini/micro-grids and other applications
- Sizing and system designing of solar PV systems

Solar Thermal Technologies

- National & International perspective on the deployment of solar thermal technologies
- Solar collectors- flat plate, evacuated tubular type
- Solar concentrators: types and applications
- Solar selective coatings
- Sizing and designing of low temperature solar thermal applications viz. solar water heaters, solar air heaters, solar desalination systems
- Parameters characterizing solar collectors and solar concentrators
- Basic concepts of technologies for solar thermal power generation viz. Parabolic Trough, Parabolic Dish, Fresnel Lens, Linear Fresnel Reflector, Compound Parabolic Concentrator, and Central tower receiver system
- Solar industrial process heat systems including solar cooling and steam generation for cooking
- Solar thermal storage systems and materials.