



**ODISHA STAFF SELECTION COMMISSION**

Barrack No.1, Unit - V, Bhubaneswar - 751054

Advertisement No.IIE-121/15-4827 /OSSC Date:- 28-10-2015

**Special Drive recruitment of candidates for the post of Junior Engineer (POST CODE-JE/86(Civil) under the Government in Works Department, H & UD (PH) Department.**

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**IMPORTANT: (i) ONLINE APPLICATION FORM WILL BE AVAILABLE FROM 29.10.2015 TILL 28.11.2015 BY 11.59 P.M**

**(ii) LAST DATE OF RECEIPT OF THE DAF is 05.12.2015**

**(iii) ONLY SC/ST DIPLOMA HOLDERS IN CIVIL ENGINEERING ARE ELIGIBLE TO APPLY FOR THE POST.**

Online Applications are invited for selection of candidates for Special Drive for recruitment to 24 number of posts of Junior Engineer (Civil) under Engineer in Chief, PH under H & UD Department.

**1.How to apply:**

1.(a) Candidates have to apply online using the website of the Commission [www.osscc.govt.in](http://www.osscc.govt.in) By clicking on the tab 'online application' in the home page of the website, the posts advertised for online application and **detailed instructions** for submitting any application online are displayed on the computer screen. These instructions are to be read carefully before proceeding to fill up the Application Form. The Application Form can be generated by clicking on 'apply online' after selecting the post. Here the system will ask to furnish the 10th/HSC Examination Roll number, name of the Board & year of passing and whether Annual or Supplementary. The Applicant should furnish the correct information including the Roll number as mentioned in the H.S.C/Matriculation Certificate and other information so as to validate the same and to proceed to next Step. **Candidates should ensure that correct information relating to passing the 10<sup>th</sup> Standard Examination is furnished. Furnishing of any wrong information may lead to rejection of the application.** After validating the application the candidates who have registered their

candidature and empanelled under Engineer-in-Chief (Civil) and eligible to appear in the examination irrespective of their age for 3 consecutive examinations to be conducted by the Commission, are advised to quote their registration no. in the panel at the specific column mentioned there in.

1.(b) After validating the required information the Blank Application Form specific for the particular post will be generated on the screen and the candidate has to fill in the required details against the various items in the Form without leaving any item blank. The candidates are required to click on the select button of post code and specify the post **i.e. Civil Engineering.**

1.(c) The candidate has to upload the scanned image of his/her recent passport size photograph and scanned image of his/her full signature in the online application form. The candidates are also advised to fill up relevant column, mentioning full marks, marks secured and percentage mark of H.S.C. and Diploma examination which is required for career evaluation and is a must for every candidate. **The up-loaded photograph and full signature must be clearly identifiable/visible, otherwise the application is liable to be rejected and no correspondence on this count will be entertained.** The filled in Application Form can be submitted by clicking on the 'submit button'. Before submitting the online application the applicant must re-check the information filled in and ensure that the information provided and the scanned signature and scanned photographs are clearly identifiable and visible and then click the "submit button". After the form is successfully submitted, a user ID and a password are generated on the screen, which the applicant has to note down for his/her future use in accessing the system to find out the status of the application. The candidate has to click on the button 'print application form' to generate the filled in Application form. This time the Application Form is generated by the system with a unique bar code and the bar code number printed on the format, is the index number of the application. **If any defect is noticed in the application form submitted, the applicant can edit the application form by accessing the candidate's 'log in' within 48 hours of clicking the 'submit button'. Editing of the application will not be possible after 48 hours.**



1.(d). The candidate has to take two printed copies of the application, one **OSSC copy** and other **applicant's copy**. The hard copy of the Application , i.e. the OSSC copy with duly ink signed at the appropriate place called the Detailed Application Form(DAF) should be promptly sent to the Commission, Superscribing on the top of the envelope as 'APPLICATION FOR THE POST OF "JUNIOR ENGINEER (Civil)" SPECIAL DRIVE by Regd. Post/Speed Post in the following address: "TO THE SECRETARY, ODISHA STAFF SELECTION COMMISSION, BARRACK NO.1, UNIT-V, BHUBANESWAR,751054".

The last date of receipt of DAF in OSSC, through Speed Post/Regd. Post is 05.12.2015.

1.(e) The Applicant's copy contains the 'used ID' and 'pass word' printed on the bottom of the Application form. The applicant has to keep it carefully for his future reference to access to the website to know the status of the application and also to download the call letter form the Commission's website..

1. (f) Applications received incomplete or received through any mode other than online mode are liable to be summarily rejected.

1.(g) The candidate may find out the status of his/her application at different times by accessing OSSC website, clicking therein '**online application**' tab, and thereafter clicking on the candidate's log in, and providing the user ID and password.

**2.Last date for receipt of Applications:**

2.a. The last date for online submission of Application in response to this advertisement is 11.59 P.M. of 28.11.2015. The system will be automatically disabled from 11.59 PM of the said date after which the application form for this particular post will not be generated any more at the candidate's end.

2.b. The closing time for receipt of Detailed Application Form (DAF) (i.e. the OSSC copy of the Application form duly inksigned at appropriate place and other



documents(refer to para -7), together called the DAF) in the Commission's office is 5 PM of 5.12.2015 through Speed Post/Registered Post only. No application will be entertained in the Commission's office after the date and time stipulated above. No Application form will be received by hand/in the drop box in the office of the Commission.

**3. Number of posts to be filled up and reservations :**

**3.a.** As per information filed by the Recruiting Authority, the category-wise break-up of the total no. of posts to be filled up by this recruitment is as follows:

Sl. No.	Categories	No. of vacancies for which the recruitment examination will be conducted		Remarks
		Total	Out of which Female	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	S.C.	04	01	
2	S.T.	20	07	
	<b>Total</b>	<b>24</b>	<b>08</b>	

Out of the above 24 posts, 01 post is reserved for Ex-Serviceman, and 01 post for Physically Handicapped candidates, P.H. candidates belonging to OA, OL, BL(MNR) and LV candidates are only eligible to apply. The candidates with other handicapped categories need not apply.

**3(b)** The number of vacant posts to be filled up on the basis of this recruitment is subject to change without any prior notice as per discretion of the Commission and the Recruiting Authorities and the Government.

**4. Scale of Pay & Condition of Service.**

The appointment shall be made in a consolidated salary of Rs.9,300/- + G.P. Rs.4200/- applicable to the post, i.e. P.B-2, Rs.9300/- to 34800/- as per Odisha Group-B posts (Contractual Appointment) Rules, 2013 notified vide G.A. Department Notification No.GAD-SC-Rules-0061-2013-1147/Gen dtd.17.01.2014. The



salary/Scale of pay may vary according to decision of the Government from time to time. The condition of service will be as per the Odisha Diploma Engineers' Service (Methods of Recruitment & Conditions of Service) Rules,2012.

**5. Eligibility:**

**5.a. Age:**

The minimum age for the post is 21 years and the maximum age is 37 years as on 01.01.2015(for special drive recruitment). Upper age limit is relaxable by 10 years for candidates belonging to PwD category and the total period of service rendered in defence service is relaxable in case of Ex-Servicemen. To be eligible, a candidate must not have been born earlier than 2<sup>nd</sup> January,1978 and not later than 1<sup>st</sup> January1994. The persons in Defence Forces having more than six months to retire/discharge from the Forces as on the date of the submission of online application are not considered as Ex-Serviceman and as such not eligible to apply for the post, under Ex-Serviceman category.

In addition to the above, the upper age limit is also relaxable for Diploma holders in the panel maintained by the Committee of Chief Engineers, who have not yet got appointment on the date and have crossed the upper age limit, shall be allowed to sit in three consecutive recruitment tests without any age restrictions. To avail such relaxation the candidate has to indicate his empanelment number in the appropriate select button available in the online application form and fill up details regarding the same. The details regarding empanelment number is available on clicking in appropriate button in the application form.

**5.b.** Date of birth entered in the High School Certificate Examination by the Board of Secondary Education, Odisha or equivalent Certificate issued by the recognised Board/Council/by an Indian University as equivalent there to shall only be acceptable to the Commission.



5.(c) **General Eligibility Criteria**

A candidate in order to be eligible for the post/appearing at the competitive examination must be (i) citizen of India, (ii) be of good character, (iii) be of sound health, good physique and active habits (iv) be free from organic defects and bodily infirmity, (v) must not have more than one spouse living and (vi) a candidate must be of good mental condition and bodily health and free from any physical defect likely to interfere with the discharge of his duties in the service.

5.(d) **Educational Qualification:**

The candidates must hold Diploma in Civil Engineering or an equivalent qualification from the Institution recognized by the Odisha State Council of Technical Education & Vocational Training.

The applicant must have Odia as one of the subjects in the HSC or passed examination in Odia equivalent to M.E. standard or passed in Odia as language subject in final examination of Class-VII or passed a test in Odia in M.E. School Standard conducted by Education Department Govt. of Odisha on the date of the Application.

6. **Examination Fee:**

Examination fee is exempted for Special Drive recruitment.

7. **Certificates / documents to be submitted alongwith the detailed application form ( DAF):**

- (a) Candidates of SC/ST category shall enclose self-attested photocopy of caste certificate issued recently by the competent authority.
- (b) Self-Attested photocopy of HSC certificate or equivalent certificate & mark sheet in support of declaration of age , issued by the concerned Board/Council.



- (c) Self-Attested photocopy of Diploma in Engineering in Civil and mark sheet.
- (d) Self-Attested photo copy of discharge certificate, identity card and the document indicating the period of service rendered in defence forces and date of discharge in case of Ex-Servicemen candidates.
- (e) Candidates have to submit a self-attested Xerox copy of the certificate either of passing HSC examination with Odia as a compulsory subject, or in lieu thereof a certificate of passing a language test in Odia of M.E. standard/Class-VII issued by competent authority.
- (f) Self attested copy of Identity card issued by competent authority in case of persons with disability. Persons with disability will be provided concession and reservations as per prevailing Rule.

**NOTE- The candidates must put their full signature with date on the Xerox copy of the documents/certificates submitted by them and also in the appropriate box in the OSSC copy, submitted in the 'DAF'. The candidates should not submit any original certificate in the DAF.**

**8. Plan of Examination:**

The examination shall consist of the following stages:

- (a) Objective type written test(OMR format or Online test) - 100 marks
- (b) Weightage on career evaluation
- |   |                   |
|---|-------------------|
| (i) High School Certificate               | - 40 marks        |
| (ii)Certificate in Diploma in Engineering | - <u>60 marks</u> |
| Total - 100 marks                         |                   |



**9. Syllabus of the written examination.**

The question of this paper will be of objective type from the Diploma courses to answer 100 questions carrying 100 marks. The questions will be of objective type based on the 2<sup>nd</sup> and 3<sup>rd</sup> year of Diploma in Civil Engineering courses of study of SCTE&VT and the candidates will be required to answer in OMR format or Online. There will be negative marking (0.25 marks) for each wrong answer.

The gist of the syllabus of the written examination is a described below. The syllabus is indicative and not exhaustive. The question will be both on theory and application part on each of the topic.

- (a) Hydraulics
- (b) Survey
- (c) Civil Engineering materials
- (d) Construction Technology
- (e) Structural Analysis
- (f) Transportation Engineering
- (g) Irrigation Engineering
- (h) Estimating
- (i) Structural Design
- (j) Public Health Engineering
- (k) Construction Management
- (l) Advanced Construction Technology

**(a) Hydraulics**

Hydrostatics, Kinematics of fluid flow, pumps,





**(b) Survey**

Introduction to surveying, Linear measurements , chaining, chain surveying, angular measurement, chain and compass surveying, computation of area, plane table surveying, levelling, contouring, principles of theodolite surveying, theodolite traversing, tacheometry, curves, setting out works, modern surveying method.

**(c) Civil Engineering materials**

Stone, Bricks, clay products and refractory materials, cement, sand, gravel, morrum and fly ash, mortar and concrete, timber, paint, varnish and distemper, iron and steel, bituminous materials, plastics, heat proofing and acoustic materials.

**(d) Construction Technology**

Introduction to construction technology, site investigation, foundations, walls, damp proofing, arches and lintels, doors and windows, floors, roofs, stairs, surface finishes, general idea of seismic planning and design of building, construction machineries.

**(e) Structural Analysis**

Trusses and frames, slope and deflection, fixed beam, continuous beam, slope deflection method, moment distribution method, three hinged arches.

**(f) Transportation Engineering**

Introduction to transportation engineering, road geometric, road materials, road pavements, hill roads, road drainage, road maintenance, construction equipments, traffic studies, landscaping and arboriculture, Introduction to railways transporting, permanent way, track materials, geometric for broad gauge, points and crossings, laying and maintenance of track, introduction to bridges, bridge site investigation, hydrology and planning, bridge foundation,



bridge substructure and approaches, permanent bridges, culvert and cause ways, introduction to docks and harbours, break waters, docks, introduction to airport engineering, components of an airport, tunnel engineering.

(g) **Irrigation Engineering**

Introduction to irrigation engineering, hydrology, water requirement of crops, flow irrigation, diversion head works, regulatory works, cross drainage works, dams, water logging and drainage, ground water hydrology.

(h) **Estimating**

Introduction to estimating, detailed estimate of building as per PWD specifications/standards, analysis of rates, administrative setups of engineering organisations, detailed estimate of culverts and bridges, estimate of irrigation structures, detailed estimate of roads, PWD accounts works.

(i) **Structural Design**

Introduction to design and detailing, working stress method of design, limit state method (LSM) of design, limit state of collapse of singly reinforced members in bending, limit state of collapse in shear(Design of shear by LSM), bond anchorage, development lengths and slicing (LSM), beams(LSM) two way slabs (LSM), axially loaded short columns(LSM), ductile detailing or reinforced concrete structures subjected to seismic forces, Design of steel and timber structures (limit state), structural steel fasteners and connections, design of tension members, design of compression members, design of column bases and foundations, design of steel beams, design of timber structures, stair case(RCC-LSM), design of footings (RCC-LSM).



**(j) Public Health Engineering**

Introduction to water supply engineering, quantity of water, sources of water, conveyance of water, quality of water and treatment of water, distribution system, appurtenance in distribution system, water supply plumbing in building, introduction to sanitary engineering, quantity of sewage, sewerage system, sewer appurtenance, sewage characteristics, sewage disposal, sewage treatment, sanitary plumbing for building and rural water supply sanitation.

**(k) Construction Management**

Introduction to construction management, construction planning, materials management, site management, construction organisation, labour management, equipment management, quality control, monitoring progress and safety management in construction works.

**(l) Advanced Construction Technology**

Concrete mixed design, handling and transporting of concrete, earthquake resistant construction, building services, construction and earth moving equipments.

N.B:- While answering OMR Answer sheet precise marking should be done by using Blue/Black ball point pen only. No erasing/correction fluid or over writing is allowed in the OMR Answer sheet. The candidate should fill up required details in the OMR answer sheet.

**10. PLACE AND DATE OF WRITTEN EXAMINATION:**

The date/time/ venue of the written examination/Online examination will be conveyed to the eligible candidates in the admission letters, in due course. The admission letters shall only be downloaded by the eligible candidates by accessing the Commission's website by using their 'User ID' and 'Pass word' from a date to be



notified later. The list of applications rejected shall also be displayed in the said website simultaneously from that date. The examination will be conducted on any day in the month of February.2016 or thereafter.

11. **Admission letter/Call Letter**

Admit Cards/Call letters for the written examination will be uploaded from the Commission's Website 15 days ahead of the date of the examination carrying the photograph and signature of the eligible/qualified candidate and signature of the Secretary of the Commission. This will carry intimation about the date, time and venue of the written examination. Each eligible candidate shall have to download his/her admit card/call letter before the date of the examination by going to the website of the Commission "[www.ossce.gov.in](http://www.ossce.gov.in)" and clicking at sub menu 'online application' for JUNIOR ENGINEER by using 'user ID' and 'password'. The date(s)/Time/Venue of the examination will be advertised in news papers for information of the candidates. Further the message regarding the rejection of application form, the date of examination will be sent to the eligible candidates in the Mobile phone no.(Cell phone) mentioned by the applicant in the Application form. The Commission will not send any call letter/Admit card for the written examination through post.

**12. Select list.**

Common merit list will be prepared comprising the marks secured by the candidates in written examination and career evaluation. Candidates 3 times of the vacancy from each category in order of merit shall be called for verification of their original certificates mark sheet and caste certificate. After preparation of common merit list of selected candidates arranged in order of merit equal to the no. of advertised vacancy on the basis of the marks secured in career evaluation and the



written test taken together, the select list will be forwarded to the Government. The merit list received from the Commission by the Department shall be placed before the Government for approval. The list after approval of the Government shall also be published by the Commission in the Commission's website.

- NOTE :- **Blue/Black ball point pen only should be used for answering (ovalling) in OMR sheet, whiteners/erasers should not be used in the OMR sheet.**
- **The candidates are required to visit the website of the Commission at '[www.osscc.gov.in](http://www.osscc.gov.in)' for detailed information about the programme of the examination etc., notice regarding rejection of the application, other important notices etc. and also keep track of publication of various notices of this recruitment to be published in the leading local daily news papers for information.**
- **The candidate should furnish correct mobile number for sending SMS by OSSC relating to examination.**

**WARNING**

**Mobile phone or any other communication device is not allowed into the premises of the OSSC examination centre. The candidates are advised not to bring any such banned items to the examination centre venue. Any infringement of these instructions might entail debarment of the concerned candidate from the examination.**

By order of the Commission

  
Secretary