



ODISHA STAFF SELECTION COMMISSION

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

Advertisement No.2225 /OSSC,

Date: 04-08-2014

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

IMPORTANT:(i) ONLINE APPLICATION FORM WILL BE AVAILABLE FROM 05-08-14 TILL 05-09-14 BY 11.59 P.M

ii) Last date of receipt of the DAF is 12-09-14.

(iii) Only Diploma holders in Civil are eligible to apply for the post.

Online Applications are invited for selection of candidates for recruitment to 551 number of posts of Junior Engineer (Civil) under

- 1) Engineer in Chief (Civil), R & B under Works Department
- 2) 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.odishassc.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 10th 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**. After the post is selected she/he will choose the option for Department as per their choice at the appropriate column in order of preference for which they will be allotted to such Establishments basing on their performance in the examination. However, the Commission's decision on allotment to specific Department shall be final and binding on the candidate.

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 on line 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 copies of the application, one **OSSC copy** and the other the **Applicant's copy**. The hard copy of the Application, i.e. the OSSC copy with duly ink signed at the appropriate place along with original copy of the Treasury challan /e-challan (except for SC/ST/PH candidates) with signature and seal of the concerned Bank, where the payment has been made off-line or conventional mode along with required certificates and documents (refer to clause-8 below) together 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)” 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 12 -09-14.

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 the website to know the status of the application and also to download the call letter from 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 Commission has the right to reject the application of any candidate at any stage of the recruitment process if the candidate is found to have submitted false information in the Application Form or ineligible for whatsoever reason(s) it may be.

1. (h) 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 05-09-2014. The system will be automatically disabled from 11.59 P.M. 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 the DAF (i.e. the OSSC copy of the Application form duly ink signed at appropriate place, Treasury Challan if any and other documents (refer to **clause 8**), together called the DAF) in the Commission's office is 5 PM of 12 -09-14 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 Requisitioning Authorities, the category-wise break-up of the total no. of posts to be filled up by this recruitment is as follows:

1)EIC (Civil), R&B

Sl. No.	Categories	No. of vacancies for which the recruitment examination will be conducted.		
		Total	Out of which Female	Remarks
1	2	3	4	5
1	U.R.	259	85	
2	S.E.B.C.	58	19	
3	S.C.	84	28	
4	S.T.	116	38	
	Total	517	170	

Out of the above 517 posts, 12 Posts are reserved for Ex-servicemen, 06 post for 'Sports persons' and 20 posts for Physically Handicapped candidates.

2)EIC (Public Health)

Sl. No.	Categories	No. of vacancies for which the recruitment examination will be conducted.		
		Total	Out of which Female	Remarks
1	2	3	4	5
1	U.R.	17	06	
2	S.E.B.C.	-	-	
3	S.C.	5	02	
4	S.T.	12	04	
	Total	34	12	

Out of the above 34 posts, 01 Posts are reserved for Ex-servicemen, 01 post for 'Sports persons' and 01 posts for Physically Handicapped candidates. P.H candidates belonging to 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 Requisitioning Authorities and the Government.

4. Scale of Pay & Condition of Service.

The appointment shall be made in a consolidated salary of Rs. 9300/- +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

dt. 17-01-14. 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 32 years as on 01-01-2014. The upper age limit is relaxable by 5 years for candidates belonging to SC/ST/SEBC/Women candidates, 10 years for candidates belonging to PWD category & the total period of service rendered in defence service in case of Ex-Servicemen. However, a candidate can only avail any one type of age relaxation as per rule. To be eligible, candidates not enjoying any relaxation of upper age limit must not have been born earlier than 2nd January, 1982 and not later than 1st January 1993. The persons in Defence Forces having more than six months to retire/ be discharged from the Forces as on the date of the submission of online application are not eligible to apply for the post.

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 relaxations 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 the 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. Candidates applying for more than one Department i.e.

- 1) Engineer in Chief (Civil), R & B under Works Department
- 2) Engineer in Chief, PH under H & UD Department

may fill up his/her option for Departments at the appropriate column in the online application form in order of preference. The option so exercised shall be final. The Department/Office shall be allotted as per the Rule of the Commission which shall be final.

7. Examination Fee:

All SEBC & UR candidates other than SC/ST and persons With Disability (PWD) have to pay an examination fee of Rs.100/-. The fees can be deposited either through online or offline mode using the Treasury Portal or by the conventional mode of deposit in the Treasury.

7 (1)* In case of e-payment the applicant is required to log on to www.odishatreasury.gov.in or access through the link available in the OSSC portal.

* She/He will click on the option of e-Payment and choose the option 'Other Deposit'

* The details of the challan will be filled in by the applicant

* She/He will choose the option for making the payment either through online or over the Bank counter mode of payment. In either case on submission of valid information, a **Challan Reference ID** will be generated.

7 (2)* For online payment, the payment will be made through Net Banking of the designated banks or through Debit Card. On successful payment, an e-Challan will be generated from the Treasury portal.

7 (3)* For over the Bank counter mode of deposit, the applicant will choose any designated Bank provided in the Treasury Portal and then proceed to the Bank branch where Offline payment of Government receipt is accepted. (**The list of**

Bank branches for making offline payment is available at the Treasury Portal).

- * On receipt of the payment, the depositor copy of the Challan form will be handed over to the depositor by the Bank.
- * The challan will be deposited under the “Head of Account-0051-PSC-104-UPSC/SSC-Examination Fees-0047-Fees collected for conducting examinations-02041-Examiantion Fees”.
- * The applicant will fill in the challan **reference ID and date** in the online application.

7 (4) The candidate has also the option to deposit the fee through **the conventional mode into the Treasury** under the Head of Account-0051-PSC-104-UPSC/SSC-Examination Fees-0047-Fees collected for conducting examinations-02041-Examiantion Fees”. In this case the candidate has to mention the Treasury Challan No. and date in the online application.

*** Non indication of correct and valid treasury challan no., date, and name of the treasury in the application form relating to examination fees deposited through off-line mode will liable for rejection of the application.**

*** SC/ST/PH candidates are exempted from paying examination fee.**

8. Certificates / documents to be submitted along with 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) Candidates of SEBC category should enclose self-attested photocopy of recent SEBC certificate, issued not before one year from the closing date of submission of Online Application by the competent authority.
- (c) Self attested photocopy of HSC or equivalent certificate & mark sheet in support of declaration of age issued by the concerned Board/Council.
- (d) Self attested photocopy of Diploma in Engineering in Civil and mark sheet.
- (e) Self attested photocopy 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.

- (f) Candidates have to submit the 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.
- (g) 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.
- (h) Self attested photocopy of sports certificate issued by competent authority with Identity card.

NOTE- 1) 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.

9. 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	– 60 marks
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Total	- 100 marks

10. 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 2nd and 3rd 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 as 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 aboriculture, Introduction to railways transportation, 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 of 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.

11. 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 October, 2014 or thereafter.

12. Admit Card/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 down load his / her admit card/ call letter before the date of the examination by going to the website of the Commission '**www.odishassc.in**',

and clicking at sub menu 'on line application' for **JUNIOR ENGINEER** by using 'user ID' and 'password'. The date(s)/Time/Venue of the examination will be advertised in newspapers 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.**

13. Select list

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:-i. **Blue/Black ball point pen only shall be used for answering (ovalling) in OMR sheet in the Written examination; whiteners/erasers shall not be used in the OMR sheet.**

- ii. **The candidates are required to visit the website of the Commission, 'www.odishassc.in' for detailed information about the programme of the examination, notice regarding rejection of the application, other important notices etc. and also keep track of publication of various notices relating to this recruitment to be published in the leading odia local daily newspapers for information.**
- iii. **The applicant should furnish their correct mobile telephone number for sending the SMS by OSSC, relating to the examination.**

WARNING

- iii. **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 will entail debarment of the concerned candidate from the particular examination/future examinations.**

By order of the Commission

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18/10/2014