



भारत सरकार, कार्मिक, लोक शिकायत तथा पेंशन मंत्रालय, कार्मिक एवं प्रशिक्षण विभाग, कर्मचारी चयन आयोग, ब्लॉक सं-12, केन्द्रीय कार्यालय परिसर, लोधी रोड, नई दिल्ली -110003. Government of India,
Ministry of Personnel, Public Grievances
& Pensions,
Department of Personnel and Training,
Staff Selection Commission,
Block No. 12, CGO Complex, Lodhi
Road, New Delhi - 110003.

Notice

JUNIOR ENGINEER (CIVIL, MECHANICAL, ELECTRICAL AND QUANTITY SURVEYING & CONTRACTS) EXAMINATION, 2019

Submission of online applications: 13.08.2019 to 12.09.2019

Last date for receipt of applications: 12.09.2019 (17:00)

Last date for making online fee payment: 14.09.2019 (17:00)

Last date for generation of offline Challan: 14.09.2019 (17:00)

Last date for payment through Challan (during working hours of Bank): 16.09.2019

Date of Computer Based Examination (Paper-I): To be notified later

Date of Paper-II (Conventional): To be notified later

"GOVERNMENT STRIVES TO HAVE A WORKFORCE WHICH REFLECTS GENDER BALANCE AND WOMAN CANDIDATES ARE ENCOURAGED TO APPLY"

F.No. 3/3/2019-P&P-II: Staff Selection Commission will hold an open competitive Examination for recruitment of Junior Engineer (Civil, Mechanical, Electrical, and Quantity Surveying & Contracts) for various Ministries/ Departments/ Organizations in the Government of India. The posts are Group 'B' (Non-Gazetted), in Level-6 (Rs 35400-112400/-) of pay matrix of 7th Central Pay Commission.

2. Detail of Posts: Following are the likely posts that will be filled up through this examination:

S. No.	Organization	Post
1	Central Water Commission	Junior Engineer (Civil)
2	Central Water Commission	Junior Engineer (Mechanical)
3	Central Public Works Department (CPWD)	Junior Engineer (Civil)
4	Central Public Works Department (CPWD)	Junior Engineer (Electrical)
5	Military Engineer Services (MES)	Junior Engineer (Civil)
6	Military Engineer Services (MES)	Junior Engineer (Electrical &
		Mechanical)
7	Farakka Barrage Project	Junior Engineer (Civil)
8	Farakka Barrage Project	Junior Engineer (Electrical)
9	Farakka Barrage Project	Junior Engineer (Mechanical)
10	Border Road Organization (BRO)	Junior Engineer (Civil)
11	Border Road Organization (BRO)	Junior Engineer (Electrical &
		Mechanical)
12	Central Water and Power Research Station	Junior Engineer (Civil)
13	Central Water and Power Research Station	Junior Engineer (Electrical)

14	Central Water and Power Research Station	Junior Engineer (Mechanical)
15	Directorate of Quality Assurance (Naval)	Junior Engineer (Mechanical)
16	Directorate of Quality Assurance (Naval)	Junior Engineer (Electrical)
17	National Technical Research Organization (NTRO)	Junior Engineer (Civil)
18	National Technical Research Organization (NTRO)	Junior Engineer (Electrical)
19	National Technical Research Organization (NTRO)	Junior Engineer (Mechanical)

Vacancies: Vacancies will be determined in due course. Updated vacancy position will be uploaded on the website of the Commission from time to time (https://ssc.nic.in >Candidate's Corner > Tentative Vacancy).

4. Reservation and suitability of posts for Persons with Disabilities :

- 4.1 Reservation for Scheduled Castes (SC)/ Scheduled Tribes (ST)/ Other Backward Classes (OBC)/ Economically Weaker Sections (EWS) and Persons with Disability (PwD) etc would be as determined and communicated by the Indenting Ministries/ Departments/ Organizations, as per extant Government Orders.
- 4.2 Junior Engineer being a Group 'B' post, there is no reservation for Ex-Servicemen (ESM) category. However, benefit of age-relaxation will be admissible to ESM candidates, as per extant Govt. Orders.
- 4.3 Except for BRO, the posts have been identified suitable for the persons suffering from disabilities of forty percent (40%) and above for One Arm affected (OA), One Leg affected (OL) and Hearing Handicapped (HH) candidates as per guidelines of Ministry of Social Justice and Empowerment. **The posts are not identified suitable for VH persons.**
- 4.4 As the "Rights of Persons with Disabilities Act, 2016 has come into force with effect from 19.04.2017 and new categories of disabilities such as Autism, Dwarfism, Acid Attack victims, Muscular Dystrophy, Intellectual Disability, Specific Learning Disability, Mental Illness and Multiple Disabilities, etc have been included in the list of disabilities eligible for reservation. Therefore, the candidates with such disabilities may also apply giving details of their disabilities in the online Application Form. However, their selection will be subject to identification of posts suitable for these categories as well as reporting of vacancies by the Indenting Ministries/ Departments. Candidates suffering from various disabilities as identified vide DoP&T OM No: 36035/02/2017-Estt (Res) dated 15.01.2018 (para-2.2) may select following PwD categories in the online Registration/ Application Form.

S No	Type of Disability	Category of disability to be selected in Registration/ Application form
(a)	Blindness and low vision.	VH
(b)	Deaf and hard of hearing.	НН
(c)	Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy.	OH
(d)	Autism, intellectual disability, specific learning disability and mental illness.	Others
(e)	Multiple disabilities from amongst persons under clauses (a) to (d) including deaf-blindness.	

4.5 Requirement of Physical Standard, Physical Efficiency Tests and Medical Standards for the posts of Junior Engineers in BRO is available at <u>Annexure-XV</u>. Candidates may ensure that they fulfill all the required standards before opting for the post of Junior Engineers in BRO. Posts once allocated as per merit-cum-preference given by the candidates will not be changed subsequently due to failure of the candidates to qualify in these Standards.

4.6 Only male candidates are eligible for the posts of Junior Engineers in the Border Roads Organization (BRO).

5 Nationality/ citizenship:

- 5.1 A candidate must be either:
- (a) a citizen of India, or
- (b) a subject of Nepal, or
- (c) a subject of Bhutan, or
- (d) a Tibetan refugee who came over to India before the 1st January 1962 with the intention of permanently settling in India, or
- (e) a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka, East African countries of Kenya, Uganda, the United Republic of Tanzania (Formerly Tanganyika and Zanzibar), Zambia, Malawi, Zaire, Ethiopia and Vietnam with the intention of permanently setting in India.
- 5.2 Provided that a candidate belonging to categories (b), (c), (d) and (e) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.
- 5.3 A candidate in whose case a certificate of eligibility is necessary may be admitted to the examination but the offer of appointment will be given only after the necessary eligibility certificate has been issued to him/ her by the Government of India.

6 Age Limit as on 01-01-2020:

6.1 Age limit for the posts of Junior Engineers in various Ministries/ Departments/ Organizations as on 01-01-2020 is as under:

S No	Organization	Post	Age limit
1	Central Water Commission	Junior Engineer (Civil)	Up to 32 years
2	Central Water Commission	Junior Engineer (Mechanical)	Up to 32 years
3	Central Public Works Department (CPWD)	Junior Engineer (Civil)	Up to 32 years
4	Central Public Works Department (CPWD)	Junior Engineer (Electrical)	Up to 32 years
5	Military Engineer Services (MES)	Junior Engineer (Civil)	Up to 30 years
6	Military Engineer Services (MES)	Junior Engineer (Electrical and Mechanical)	Up to 30 years
7	Farakka Barrage Project	Junior Engineer (Civil)	Up to 30 years

8	Farakka Barrage Project	Junior Engineer (Electrical)	Up to 30 years
9	Farakka Barrage Project	Junior Engineer (Mechanical)	Up to 30 years
10	Border Road Organization	Junior Engineer (Civil)	Up to 30 years
11	Border Road Organization	Junior Engineer (Electrical & Mechanical)	Up to 30 years
12	Central Water and Power Research Station	Junior Engineer (Civil)	Up to 30 years
13	Central Water and Power Research Station	Junior Engineer (Electrical)	Up to 30 years
14	Central Water and Power Research Station	Junior Engineer (Mechanical)	Up to 30 years
15	Directorate of Quality Assurance (Naval)	Junior Engineer (Mechanical)	Up to 30 years
16	Directorate of Quality Assurance (Naval)	Junior Engineer (Electrical)	Up to 30 years
17	National Technical Research Organization (NTRO)	Junior Engineer (Civil)	Up to 30 years
18	National Technical Research Organization (NTRO)	Junior Engineer (Electrical)	Up to 30 years
19	National Technical Research Organization (NTRO)	Junior Engineer (Mechanical)	Up to 30 years

6.2 Permissible relaxation in upper age limit prescribed under para 6.1 above are as follows:

Code No.	Category	Age-relaxation permissible beyond the upper age limit
01	SC/ ST	5 years
02	OBC	3 years
03	Persons with Disabilities (PwD)	10 years
04	PwD + OBC	13 years
05	PwD + SC/ ST	15 years
06	Ex-Servicemen (ESM)	3 years after deduction of the military service rendered from the actual age.
07	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir during the period from 01-01-1980 to 31-12-1989.	5 years
08	Defence Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof.	3 years
09	Defence Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (SC/ST).	8 years

6.3 Candidates should note that the Date of Birth (DoB) as filled by them in the online Application Form will be treated as final and any request for change in the DoB will not be entertained by the Commission under any circumstances. For proof of Date of Birth, only

Matriculation/ Secondary Examination Certificate or an equivalent certificate will be accepted by the Commission at the time of Document Verification.

- 6.4 Ex-Servicemen (ESM) who have already secured employment in civil side under Central Government in Group 'C' & 'D' posts on regular basis after availing of the benefits of reservation given to ESM for their re-employment are not eligible for reservation in ESM category and fee concession. However, he/ she can avail of the benefit of reservation as ex-serviceman for subsequent employment if he/ she immediately after joining civil employment, given self declaration/ undertaking to the concerned employer about the date-wise details of applications for various vacancies for which he/ she had applied for before joining the initial civil employment as mentioned in the OM No. 36034/1/2014-Estt (Res) dated 14th August 2014 issued by DoP&T.
- 6.5 The period of "Call up Service" of an Ex-Serviceman in the Armed Forces shall also be treated as service rendered in the Armed Forces for purpose of age relaxation, as per rules.
- 6.6 For any serviceman of the three Armed Forces of the Union to be treated as Ex-Serviceman for the purpose of securing the benefits of reservation, he/ she must have already acquired, at the relevant time of submitting his application for the Post/ Service the status of Ex-Servicemen otherwise than by way of dismissal or discharge on account of misconduct or inefficiency.

Or

Is in a position to establish his acquired entitlement by documentary evidence from the competent authority that he/ she would complete specified term of engagement from the Armed Forces within the stipulated period of one year from the closing date for receipt of applications (i.e. 12.09.2019). Such candidates must also acquire the status of an Ex-Serviceman within the stipulated period of one year from the closing date of receipt of applications (i.e. 12.09.2019).

- 6.7 Explanation: An Ex-Serviceman means a person:
- (i) who has served in any rank whether as a combatant or non combatant in the Regular Army, Navy and Air Force of the Indian Union, and
 - (a) who either has been retired or relieved or discharged from such service whether at his own request or being relieved by the employer after earning his or her pension,

or

- (b) who has been relieved from such service on medical grounds attributable to military service or circumstances beyond his control and awarded medical or other disability pension: or
- (c) who has been released from such service as a result of reduction in establishment.

or

(ii) Who has been released from such service after completing the specific period of engagement, otherwise than at his own request, or by way of dismissal, or discharge on account of misconduct or inefficiency and has been given a gratuity, and includes personnel of the Territorial Army, namely pension holders for continuous embodied service or broken spells of qualifying service.

or

(iii) Personnel of the Army Postal Service who are part of Regular Army and retired from the Army Postal Service without reversion to their parent service with pension, or are released from the Army Postal Service on medical grounds attributable to or aggravated by military service or circumstance beyond their control and awarded medical or other disability pension.

or

(iv) Personnel, who were on deputation in Army Postal Service for more than six months prior to the 14th April, 1987.

or

- (v) Gallantry award winners of the Armed forces including personnel of Territorial Army.
- (vi) Ex-recruits boarded out or relieved on medical ground and granted medical disability pension.
- 6.8 Age relaxation is not admissible to sons, daughters and dependents of Ex-Servicemen. Therefore, such candidates should not indicate their category as Ex-Servicemen.

7. Process of certification and format of certificates:

- 7.1 Candidates who wish to be considered against vacancies reserved or seek agerelaxation must submit requisite certificate from the competent authority, in the prescribed format, whenever such certificates are sought by concerned Regional/ Sub-Regional Offices at the time of Document Verification. Otherwise, their claim for SC/ ST/ OBC/ EWS/ PwD/ ESM, etc will not be entertained and their candidature/ applications will be considered under Unreserved (UR) category. The formats of the certificates are annexed with the Notice of Examination. The certificate of disability issued under the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995 (1 of 1996) will also be valid. Certificates in any other format will not be accepted.
- 7.2 A person seeking appointment on the basis of reservation to OBCs must ensure that he/ she possesses the caste/ community certificate and does not fall in creamy layer on the crucial date. The crucial date for this purpose will be the closing date for receipt of online application i.e. 12.09.2019.
- 7.3 Candidates may also note that in respect of the above, their candidature will remain provisional till the veracity of the concerned document is verified by the Appointing Authority. Candidates are cautioned that they will be debarred from the examination conducted by the Commission in case they fraudulently claim SC/ ST/ OBC/ PwD/ ESM/ EWS status.

8. Essential Educational Qualifications/ Experience (as on 01-01-2020):

8.1 Essential Educational Qualification and experience, etc required for the various posts are as follows:

S No	Post	Educational and Other Qualification	
1	Junior Engineer (Civil), Central Water Commission.	Degree or Diploma in Civil Engineering from a recognized University or Institution.	
2	Junior Engineer (Mechanical), Central Water Commission.	Degree or Diploma in Mechanical Engineering from a recognized University or Institution.	
3	Junior Engineer (Civil), CPWD	Diploma in Civil Engineering from a recognized University or Institute.	
4	Junior Engineer (Electrical), CPWD	Diploma in Electrical or Mechanical Engineering from a recognized University or Institute.	
5	Junior Engineer (Civil), MES	Degree in Civil Engineering from a recognized University Or	
		 (a) Three years Diploma in Civil Engineering from a recognized Institute or University or Board; and (b) Two years experience in Planning, Execution and Maintenance of Civil Engineering works. 	
6	Junior Engineer (Electrical & Mechanical), MES	& Degree in Electrical or Mechanical Engineering from a recognized University; Or (a) Three years diploma in Electrical or Mechanica Engineering from a recognized Institute or University or Board; and (b) Two years experience in Planning, Execution and Maintenance of Electrical or Mechanica Engineering works.	
7	Junior Engineer (Civil), Farakka Barrage Project.	Diploma in Civil Engineering from a recognized University or Institute or Board.	
8	Junior Engineer (Electrical), Farakka Barrage Project.	Diploma in Electrical Engineering from a recognized University or Institute or Board.	
9	Junior Engineer (Mechanical), Farakka Barrage Project.	, Diploma in Mechanical Engineering from a recognized University or Institute or Board	
10	Junior Engineer (Civil), Border Roads Organization, Ministry of Defence.	Degree in Civil Engineering from a recognized University/ Institute or (a) Three years Diploma in Civil Engineering from a recognized University/ Institute/ Board; and (b) Two years working experience in Planning/ Execution/ Maintenance of Civil Engineering works.	

Border Roads Organization, Ministry of Defence. (a) Three years Diploma in Electrical/ Automobile/ Mechanical Engineering from a recognized University/Institute/Board; and (b) Two years experience in Planning/ Execution/ Maintenance of Electrical or Mechanical Engineering works. Diploma in Civil Engineering from a recognized Institute. Diploma in Electrical Engineering from a recognized Institute. Diploma in Mechanical Engineering from a recognized University or Institution plus (b) Two years experience in the respective field. Directorate of Quality Assurance, (Naval). Directo	11	Junior Engineer (Electrical &	Degree in Electrical or Mechanical Engineering	
of Defence. (a) Three years Diploma in Electrical/ Automobile/ Mechanical Engineering from a recognized University/ Institute/ Board; and (b) Two years experience in Planning/ Execution/ Maintenance of Electrical or Mechanical Engineering works. Diploma in Civil Engineering from a recognized Institute. Junior Engineer (Electrical), Central Water Power Research Station. Junior Engineer (Mechanical), Central Water Power Research Station. Junior Engineer (Mechanical), Directorate of Quality Assurance, (Naval). Degree in Mechanical Engineering from a recognized Institute; or (a) Three years Diploma in Electrical Engineering from a recognized Institute. Diploma in Mechanical Engineering from a recognized Institute. Degree in Mechanical Engineering from a recognized Institute; or (a) Three years Diploma in Mechanical Engineering from a recognized University or Institution plus (b) Two years experience in the respective field. Junior Engineer (Electrical), Directorate of Quality Assurance, (Naval). Degree in Electrical Engineering from a recognized University; or (a) Three years Diploma in Electrical Engineering from a recognized University; or (a) Three years Diploma in Electrical Engineering from a recognized University; Institution plus (b) Two years experience in the respective field. Junior Engineer (Civil), National Technical Research Organization. Jiploma in Civil Engineering from a recognized University/ Institution. Diploma in Electrical Engineering from a recognized University/ Institution. Diploma in Electrical Engineering from a recognized University/ Institution. Diploma in Mechanical Engineering from a recognized University/ Institution.		Mechanical),	from a recognized University/ Institute;	
12		-	 (a) Three years Diploma in Electrical/ Automobile Mechanical Engineering from a recognized University/ Institute/ Board; and (b) Two years experience in Planning/ Execution 	
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Central Water Power Research Station. 14 Junior Engineer (Mechanical), Central Water Power Research Station. 15 Junior Engineer (Mechanical), Directorate of Quality Assurance, (Naval). 16 Junior Engineer (Electrical), Directorate of Quality Assurance, (Naval). 16 Junior Engineer (Electrical), Directorate of Quality Assurance, (Naval). 17 Junior Engineer (Electrical), Directorate of Quality Assurance, (Naval). 18 Junior Engineer (Civil), National Technical Research Organization. 19 Junior Engineer (Mechanical) Research Organization. 19 Junior Engineer (Mechanical) Research Organized University Institution. 19 Junior Engineer (Mechanical) Research Organized University Institution. 19 Junior Engineer (Mechanical) Research Organized University Institution. 20 Diploma in Mechanical Engineering from a recognized University/ Institution. 21 Diploma in Electrical Engineering from a recognized University/ Institution. 22 Diploma in Mechanical Engineering from a recognized University/ Institution. 23 Diploma in Mechanical Engineering from a recognized University/ Institution. 24 Diploma in Mechanical Engineering from a recognized University/ Institution.	12	Central Water Power Research		
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Directorate of Quality Assurance, (Naval). (a) Three years Diploma in Electrical Engineering from a recognized University or Institution plus (b) Two years experience in the respective field. 17 Junior Engineer (Civil), National Technical Research Organization. 18 Junior Engineer (Electrical), National Technical Research Organization. 19 Junior Engineer (Mechanical) National Technical Research Porganization. 19 Junior Engineer (Mechanical) Diploma in Mechanical Engineering from a recognized University/ Institution. 19 Junior Engineer (Mechanical) Diploma in Mechanical Engineering from a recognized University/ Institution	15	Directorate of Quality Assurance,	recognized Institute; or (a) Three years Diploma in Mechanical Engineering from a recognized University or Institution plus	
National Technical Research Organization. 18 Junior Engineer (Electrical), Diploma in Electrical Engineering from a recognized University/ Institution. Organization. 19 Junior Engineer (Mechanical) Diploma in Mechanical Engineering from a recognized University/ Institution.	16	Directorate of Quality Assurance,	or (a) Three years Diploma in Electrical Engineering from a recognized University or Institution plus	
National Technical Research Organization. 19 Junior Engineer (Mechanical) National Technical Research Research Tecognized University/ Institution. Diploma in Mechanical Engineering from a recognized University/ Institution	17	National Technical Research		
National Technical Research recognized University/ Institution	18	National Technical Research		
	19	Junior Engineer (Mechanical) National Technical Research		

- 8.2 The posts where experience is required, such experience must be acquired by the candidates after completing educational qualification as specified for the concerned post. Further, internship, training, research experience, etc gained in the course of acquiring an educational qualification will not be counted as experience.
- 8.3 As per UGC (Open and Distance Learning) Regulations, 2017 published in official Gazette on 23-06-2017, under Part-I (2)(p), the programmes in engineering are not permitted to be offered under Open and Distance Learning mode.

8.4 All candidates who are called for documents verification will be required to produce the relevant certificates in original such as Mark sheets, Provisional Degree/ Diploma Certificate, etc as proof of having acquired the minimum educational qualification/ experience on or before 01-01-2020 failing which the candidature of such candidates will be cancelled by the Commission. The candidates who are able to prove, by documentary evidence that the result of the qualifying examination was declared on or before the cut-off date and he/ she has been declared passed, will also be considered to have met the required educational qualification.

9. Provision of Compensatory Time and Assistance of Scribe:

- 9.1 In case of persons with benchmark disabilities in the category of blindness, locomotor disability (both arms affected-BA) and cerebral palsy, the facility of scribe is provided, if desired by the candidate. Since the posts are not identified suitable for persons with blindness, BA and cerebral palsy disabilities, therefore facility of scribe and compensatory time will not be admissible to such candidates.
- 9.2 In case of remaining categories of persons with benchmark disabilities, the provision of scribe will be provided on production of a certificate at the time of examination to the effect that the person concerned has physical limitation to write, and scribe is essential to write examination on his/ her behalf, from the Chief Medical Officer/ Civil Surgeon/ Medical Superintendent of a Government health care institution as per proforma at **Annexure-I**.
- 9.3 The candidate will have the discretion of opting for his/ her own scribe or the facility of scribe provided by the Commission. Appropriate choice in this regard will have to be given by the candidate in the online application form.
- 9.4 In case the candidate opts for his/ her own scribe, the qualification of the scribe should be one step below the qualification of the candidate taking the examination. The candidates with benchmark disabilities opting for own scribe shall be required to submit details of the own scribe at the time of examination as per proforma at **Annexure-II**. In addition, the scribe has to produce a valid ID proof (as per list given at para-14.7) in original at the time of examination. A photocopy of the ID proof of the scribe signed by the candidate as well as the scribe will be submitted along with proforma at **Annexure-II**. In case, subsequently it is found that the qualification of the scribe is not as declared by the candidate, then the candidate shall forfeit his/ her right to the post and claims relating thereto.
- 9.5 A compensatory time of 20 minutes per hour of examination will be provided to the persons who are allowed use of scribe as described at para 9.2 above.
- 9.6 The candidates referred at para 9.2 above, who are allowed use of scribe but not availing the facility of scribe will also be given compensatory time of 20 minutes per hour of examination.
- 9.7 No attendant other than the scribe for eligible candidates will be allowed inside the examination hall.

10 How to Apply and Application Fee:

- 10.1 The applications must be submitted through online mode only. For detailed instructions on filling online application, please refer to **Annexure-III** and **Annexure-IV**.
- 10.2 Fee payable: Rs 100/- (Rs one hundred only)
- 10.3 Fee can be paid through BHIM UPI, Net Banking or by using Visa, Mastercard, Maestro, RuPay Credit or Debit card or in cash at SBI Branches by generating SBI Challan.
- 10.4 Women candidates and candidates belonging to Scheduled Castes (SC), Scheduled Tribes (ST), Persons with disabilities (PwD) and Ex-Servicemen eligible for reservation are exempted

from payment of fee.

- 10.5 Online fee can be paid by the candidates up to 14.09.2019 (17:00). However, candidates who wish to make the payment through challan of SBI, may make the payment in cash at the designated branches of SBI within the working hours of bank up to 16.09.2019 provided the challan has been generated by them before 14.09.2019 (17:00).
- 10.6 Online Applications from non-fee exempted candidates received without the prescribed fee shall not be considered and shall be summarily rejected. No representation against such rejection will be entertained. Fee once paid shall not be refunded under any circumstances nor will it be adjusted against any other examination or selection.
- 10.7 Candidates who are not exempted from fee payment must ensure that their fee has been deposited with SSC. If the fee is not received by SSC, status of Application Form is shown as 'Incomplete' and this information is printed on the top of the Application Form. Further, status of fee payment can be verified at the 'Payment Status' link provided in the candidate's login screen. Such applications which remain incomplete due to non-receipt of fee will be SUMMARILY REJECTED and no request for consideration of such applications and fee payment after the period specified in the Notice of Examination shall be entertained.

11 Centres of Examination:

11.1 A candidate must indicate the Centre(s) in the online Application Form in which he/ she desires to take the examination. Details about the Examination Centres and Regional Offices under whose jurisdiction these Examination Centres are located are as follows:

-		and D :	A 1.1 C .1 D . 1
S.	Examination Centres & Centre Code	O	Address of the Regional
No		States/ UTs under	Offices/ Website
		the jurisdiction of	
		the Region	
1	Bhagalpur, Darbhanga, Muzaffarpur,	Central Region	Regional Director (CR),
	Patna, Purnea, Agra, Aligarh, Bareilly,	(CR)/	Staff Selection
	Gorakhpur, Jhansi, Kanpur, Lucknow,	Bihar and Uttar	Commission,
	Meerut, Moradabad, Prayagraj, Varanasi.	Pradesh	34-A, Mahatma Gandhi
	,		Marg,
			Civil lines, Kendriya
			Sadan,
			Prayagraj – 211001.
			(http://www.ssc-cr.org)
2	Port Blair, Bokaro, Dhanbad, Jamshedpur,	Eastern Region	Regional Director (ER),
	Hazaribagh, Ranchi, Balasore, Behrampur-	(ER)/	Staff Selection
	Ganjam, Bhubaneshwar, Cuttack,	Andaman &	Commission,
	Rourkela, Sambalpur, Gangtok, Asansol,	Nicobar Islands,	1 st MSO Building,(8 th
	Hooghly, Kalyani, Kolkata, Siliguri.	Jharkhand, Odisha,	Floor), 234/4,
		Sikkim and West	Acharya Jagadish Chandra
		Bengal	Bose
			Road, Kolkata,
			West Bengal-700020
			(www.sscer.org)

3	Belagavi, Bengaluru, Hubballi, Kalaburagi (Gulbarga), Mangaluru, Mysuru, Shivamogga, Udupi. Ernakulam, Kannur, Kollam, Kottayam, Kozhikode, Thrissur, Thiruvananthapuram, Kavaratti.	Karnataka, Kerala Region (KKR)/ Lakshadweep, Karnataka and Kerala	Regional Director (KKR), Staff Selection Commission, 1 st Floor, "E" Wing, Kendriya Sadan, Koramangala, Bengaluru, Karnataka-560034 (www.ssckkr.kar.nic.in)
4	Bhilai Nagar, Bilaspur, Raipur, Bhopal, Gwalior, Indore, Jabalpur, Sagar, Satna, Ujjain.	Madhya Pradesh Sub-Region (MPR)/ Chhattisgarh and Madhya Pradesh	Dy. Director (MPR), Staff Selection Commission, J-5, Anupam Nagar, Raipur, Chhattisgarh-492007 (www.sscmpr.org)
5	Itanagar, Dibrugarh, Guwahati (Dispur), Jorhat, Silchar, Tejpur, Imphal, Shillong, Aizwal, Kohima, Agartala.	North Eastern Region (NER)/ Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura.	Regional Director (NER), Staff Selection Commission, Housefed Complex, Last Gate, Beltola- Basistha Road, P. O. Assam Sachivalaya, Dispur, Guwahati, Assam- 781006 (www.sscner.org.in)
6	Delhi NCR, Alwar, Ajmer, Bikaner, Jaipur, Jodhpur, Kota, Sikar, Udaipur, Dehradun, Haldwani, Roorkee.	Northern Region (NR)/ Delhi, Rajasthan and Uttarakhand	Regional Director (NR), Staff Selection Commission, Block No. 12, CGO Complex, Lodhi Road,
			New Delhi-110003 (www.sscnr.net.in)
7	Chandigarh, Hamirpur, Shimla, Jammu, Leh, Samba, Srinagar (J&K), Amritsar, Jalandhar, Ludhiana, Mohali, Patiala,	North Western Sub-Region (NWR)/ Chandigarh, Haryana, Himachal Pradesh, Jammu and Kashmir and Punjab	

9	Panaji, Ahmedabad, Anand, Gandhinagar,	Western Region	Regional Director (WR),
	Mehsana, Rajkot, Surat, Vadodara,	(WR)/	Staff Selection
	Amravati, Aurangabad, Jalgaon, Kolhapur,	Dadra and Nagar	Commission,
	Mumbai, Nagpur, Nanded, Nashik, Navi	Haveli, Daman and	1 st Floor, South Wing,
	Mumbai, Pune,	Diu, Goa, Gujarat	Pratishtha Bhawan,
		and Maharashtra	101, Maharshi Karve
			Road, Mumbai,
			Maharashtra-400020
			(www.sscwr.net)

- 11.2 A candidate may give option for three centres, in the order of priority, within the same region. No request for change of Centre of Examination will be considered later under any circumstances. Hence, the candidates should select the centers, carefully and indicate the same correctly in their applications.
- 11.3 The Commission will endeavour to accommodate the candidates in centres opted by them. However, the Commission reserves the right to cancel any Centre and ask the candidates of that centre to appear from another centre. Commission also reserves the right to divert candidates of any centre to some other Centre to take the examination.

12 Scheme of Examination

12.1 The Examination will consist of two Papers i.e. Paper-I (Computer Based Examination) and Paper-II (Descriptive Type). Details of these Papers are as follows:

Papers	Mode of	Subject	No of	Duration &
	Examination		Questions/	Timings
			Maximum	
			marks	
Paper-I		(i) General Intelligence and	50/ 50	2 Hours
		Reasoning		
Objective	Computer			(2 hours and 40
Type	Base			minutes for the
	Examination	(ii) General Awareness	50/ 50	candidates who
(Date of				are allowed use of
Examination:		(iii) Part-A		scribe as per Para-
To be		General Engineering		9.2
notified		(Civil & Structural)		
later)				
		or		
		Part-B	100/ 100	
		General Engineering (Electrical)		
		or		
		Part-C		
		General Engineering (Mechanical)		

Paper-II (Descriptive Type) (Date of Examination: To be notified later)	Written Examination	Part-A General Engineering (Civil & Structural) or Part-B General Engineering (Electrical) or Part-C General Engineering (Mechanical)	300	2 Hours (2 hours and 40 minutes for the candidates who are allowed use of scribe as per Para-9.2
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- 12.2 In Paper-I and Paper-II for General Engineering, the candidate will be required to attempt only the part as per option given in the application form filled by the candidate. In other words, the candidates appearing for the post of Junior Engineer (Civil), Junior Engineer (Quantity Surveying & Contracts) are required to attempt Part-A (Civil & Structural) of Paper-I and Paper-II and the candidates appearing for the post of Junior Engineer (Electrical) are required to attempt Part-B (Electrical) and the candidates appearing for the post of Junior Engineer (Mechanical) are required to attempt Part-C (Mechanical) of Paper-I and Paper-II failing which their candidature will be rejected.
- 12.3 The Paper-I will consist of Objective Type, Multiple choice questions only. The questions will be set both in English & Hindi.
- 12.4 There will be negative marking of 0.25 marks for each wrong answer in Paper-I. Candidates are, therefore, advised to keep this in mind while answering the questions.
- 12.5 Candidates are allowed to bring their own Slide–Rule, Calculator, Logarithm Table and Steam Table for Paper-II only. They are not allowed to use such aids for Paper-I.
- 12.6 Tentative Answer Keys will be placed on the Commission's website after the Examination. Candidates may go through the Answer Keys and submit representations, if any, within the time limit given by the Commission through on-line modality only, on payment of Rs 100/- per question. Any representation regarding Answer Keys received within the time limit fixed by the Commission at the time of uploading of the Answer Keys will be scrutinized before finalizing the Answer Keys and the decision of the Commission in this regard will be final. No representation regarding Answer Keys shall be entertained later.
- 12.7 Marks scored by candidates in Paper-I will be normalized by using the formula published by the Commission through Notice No: 1-1/2018-P&P-I dated 07-02-2019 and such normalized scores will be used to determine final merit and cut-off marks.
- 12.8 The Paper-II will have to be written either in Hindi or in English. Part paper written in Hindi and part in English will be awarded zero marks.
- 12.9 In Paper-II, candidates must write their correct Roll Number and Subject at the prescribed places on the cover page of the Answer Book. Candidates must also affix signature and Left-hand Thumb Impression in the relevant columns in the Answer Book. Answer Books not bearing Roll Number, Subject, Signature and Left-hand Thumb Impression will not be evaluated and such candidates shall be awarded zero marks.
- 12.10 Candidates are strictly advised not to write any personal identity e.g. name, roll number, mobile number, address, etc inside the Answer Book (Paper-II). The candidates who fail to adhere to these instructions will be awarded zero marks.

13 Indicative Syllabus

13.1 The standard of the questions in Engineering subjects will be approximately of the level of Diploma in Engineering (Civil/ Electrical/ Mechanical). All the questions will be set in SI units. The details of the syllabus are given below:

13.2 Paper-I:

- 13.2.1 **General Intelligence & Reasoning**: The Syllabus for General Intelligence would include questions of both verbal and non-verbal type. The test may include questions on analogies, similarities, differences, space visualization, problem solving, analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series, etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationships, arithmetical computations and other analytical functions.
- 13.2.2 **General Awareness:** Questions will be aimed at testing the candidate's general awareness of the environment around him/ her and its application to society. Questions will also be designed to test knowledge of current events and of such matters of everyday observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining to History, Culture, Geography, Economic Scene, General Polity and Scientific Research, etc. These questions will be such that they do not require a special study of any discipline.

13.2.3 General Engineering: Civil & Structural, Electrical and Mechanical:

13.2.3.1 Part-A (Civil Engineering):

Building Materials, Estimating, Costing and Valuation, Surveying, Soil Mechanics, Hydraulics, Irrigation Engineering, Transportation Engineering, Environmental Engineering.

Structural Engineering: Theory of Structures, Concrete Technology, RCC Design, Steel Design.

13.2.3.2 Part-B (Electrical Engineering):

Basic concepts, Circuit law, Magnetic Circuit, AC Fundamentals, Measurement and Measuring instruments, Electrical Machines, Fractional Kilowatt Motors and single phase induction Motors, Synchronous Machines, Generation, Transmission and Distribution, Estimation and Costing, Utilization and Electrical Energy, Basic Electronics.

13.2.3.3 <u>Part-C Mechanical Engineering</u>):

Theory of Machines and Machine Design, Engineering Mechanics and Strength of Materials,

Properties of Pure Substances, 1st Law of Thermodynamics, 2nd Law of Thermodynamics, Air standard Cycles for IC Engines, IC Engine Performance, IC Engines Combustion, IC Engine Cooling & Lubrication, Rankine cycle of System, Boilers, Classification, Specification, Fitting & Accessories, Air Compressors & their cycles, Refrigeration cycles, Principle of Refrigeration Plant, Nozzles & Steam Turbines.

Properties & Classification of Fluids, Fluid Statics, Measurement of Fluid Pressure, Fluid kinematics, Dynamics of Ideal fluids, Measurement of Flow rate, basic principles, Hydraulic Turbines, Centrifugal Pumps, Classification of steel.

13.3 Paper II

13.3.1 Part-A (Civil & Structural Engineering):

<u>Building Materials:</u> Physical and Chemical properties, classification, standard tests, uses and manufacture/ quarrying of materials e.g. building stones, silicate based materials, cement (Portland), asbestos products, timber and wood based products, laminates, bituminous materials, paints, varnishes.

<u>Estimating</u>, <u>Costing</u> and <u>Valuation</u>: estimate, glossary of technical terms, analysis of rates, methods and unit of measurement, Items of work – earthwork, Brick work (Modular & Traditional bricks), RCC work, Shuttering, Timber work, Painting, Flooring, Plastering, Boundary wall, Brick building, Water Tank, Septic tank, Bar bending schedule, Centre line method, Mid-section formula, Trapezodial formula, Simpson's rule, Cost estimate of Septic tank, flexible pavements, Tube well, isolates and combined footings, Steel Truss, Piles and pile-caps. Valuation – Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolescence, methods of valuation.

<u>Surveying</u>: Principles of surveying, measurement of distance, chain surveying, working of prismatic compass, compass traversing, bearings, local attraction, plane table surveying, theodolite traversing, adjustment of theodolite, Levelling, Definition of terms used in levelling, contouring, curvature and refraction corrections, temporary and permanent adjustments of dumpy level, methods of contouring, uses of contour map, tachometric survey, curve setting, earth work calculation, advanced surveying equipment

<u>Soil Mechanics</u>: Origin of soil, phase diagram, Definitions-void ratio, porosity, degree of saturation, water content, specific gravity of soil grains, unit weights, density index and interrelationship of different parameters, Grain size distribution curves and their uses Index properties of soils, Atterberg's limits, ISI soil classification and plasticity chart Permeability of soil, coefficient of permeability, determination of coefficient of permeability, Unconfined and confined aquifers, effective stress, quick sand, consolidation of soils, Principles of consolidation, degree of consolidation, pre-consolidation pressure, normally consolidated soil, e-log p curve, computation of ultimate settlement Shear strength of soils, direct shear test, Vane shear test, Triaxial test Soil compaction, Laboratory compaction test, Maximum dry density and optimum moisture content, earth pressure theories, active and passive earth pressures, Bearing capacity of soils, plate load test, standard penetration test

<u>Hydraulics</u>: Fluid properties, hydrostatics, measurements of flow, Bernoulli's theorem and its application, flow through pipes, flow in open channels, weirs, flumes, spillways, pumps and turbines

<u>Irrigation Engineering</u>: Definition, necessity, benefits, 2II effects of irrigation, types and methods of irrigation, Hydrology – Measurement of rainfall, run off coefficient, rain gauge, losses from precipitation – evaporation, infiltration, etc Water requirement of crops, duty, delta and base period, Kharif and Rabi Crops, Command area, Time factor, Crop ratio, Overlap allowance, Irrigation efficiencies Different type of canals, types of canal irrigation, loss of water in canals Canal lining

- types and advantages Shallow and deep to wells, yield from a well Weir and barrage, Failure of weirs and permeable foundation, Slit and Scour, Kennedy's theory of critical velocity Lacey's theory of uniform flow Definition of flood, causes and effects, methods of flood control, water logging, preventive measure Land reclamation, Characteristics of affecting fertility of soils, purposes, methods, description of land and reclamation processes Major irrigation projects in India

<u>Transportation Engineering</u>: Highway Engineering – cross sectional elements, geometric design, types of pavements, pavement materials – aggregates and bitumen, different tests, Design of flexible and rigid pavements – Water Bound Macadam (WBM) and Wet Mix Macadam (WMM), Gravel

Road, Bituminous construction, Rigid pavement joint, pavement maintenance, Highway drainage, Railway Engineering- Components of permanent way – sleepers, ballast, fixtures and fastening, track geometry, points and crossings, track junction, stations and yards Traffic Engineering – Different traffic survey, speed-flow-density and their interrelationships, intersections and interchanges, traffic signals, traffic operation, traffic signs and markings, road safety

<u>Environmental Engineering</u>: Quality of water, source of water supply, purification of water, distribution of water, need of sanitation, sewerage systems, circular sewer, oval sewer, sewer appurtenances, sewage treatments Surface water drainage Solid waste management – types, effects, engineered management system Air pollution – pollutants, causes, effects, control Noise pollution – cause, health effects, control

Structural Engineering:

<u>Theory of structures</u>: Elasticity constants, types of beams – determinate and indeterminate, bending moment and shear force diagrams of simply supported, cantilever and over hanging beams Moment of area and moment of inertia for rectangular & circular sections, bending moment and shear stress for tee, channel and compound sections, chimneys, dams and retaining walls, eccentric loads, slope deflection of simply supported and cantilever beams, critical load and columns, Torsion of circular section

<u>Concrete Technology</u>: Properties, Advantages and uses of concrete, cement aggregates, importance of water quality, water cement ratio, workability, mix design, storage, batching, mixing, placement, compaction, finishing and curing of concrete, quality control of concrete, hot weather and cold weather concreting, repair and maintenance of concrete structures

RCC Design: RCC beams-flexural strength, shear strength, bond strength, design of singly reinforced and double reinforced beams, cantilever beams T-beams, lintels One way and two way slabs, isolated footings Reinforced brick works, columns, staircases, retaining wall, water tanks (RCC design questions may be based on both Limit State and Working Stress methods)

Steel Design: Steel design and construction of steel columns, beams roof trusses plate girders

13.3.2 <u>Part-B (Electrical Engineering):</u>

<u>Basic concepts</u>: Concepts of resistance, inductance, capacitance, and various factors affecting them Concepts of current, voltage, power, energy and their units

Circuit law: Kirchhoff's law, Simple Circuit solution using network theorems

<u>Magnetic Circuit</u>: Concepts of flux, mmf, reluctance, Different kinds of magnetic materials, Magnetic calculations for conductors of different configuration eg straight, circular, solenoidal, etc Electromagnetic induction, self and mutual induction

<u>AC Fundamentals</u>: Instantaneous, peak, RMS and average values of alternating waves, Representation of sinusoidal wave form, simple series and parallel AC Circuits consisting of RL and C, Resonance, Tank Circuit Poly Phase system – star and delta connection, 3 phase power, DC and sinusoidal response of R-Land R-C circuit

<u>Measurement and measuring instruments</u>: Measurement of power (1 phase and 3 phase, both active and re-active) and energy, 2 wattmeter method of 3 phase power measurement, Measurement of frequency and phase angle Ammeter and voltmeter (both moving oil and moving iron type), extension of range wattmeter, Multimeters, Megger, Energy meter AC Bridges Use of CRO, Signal Generator, CT, PT and their uses Earth Fault detection

<u>Electrical Machines</u>: (a) DC Machine – Construction, Basic Principles of DC motors and generators, their characteristics, speed control and starting of DC Motors Method of braking motor,

Losses and efficiency of DC Machines (b) 1 phase and 3 phase transformers – Construction, Principles of operation, equivalent circuit, voltage regulation, OC and SC Tests, Losses and efficiency Effect of voltage, frequency and wave form on losses Parallel operation of 1 phase /3 phase transformers Auto transformers (c) 3 phase induction motors, rotating magnetic field, principle of operation, equivalent circuit, torque-speed characteristics, starting and speed control of 3 phase induction motors Methods of braking, effect of voltage and frequency variation on torque speed characteristics

Fractional Kilowatt Motors and Single Phase Induction Motors: Characteristics and applications

<u>Synchronous Machines</u> - Generation of 3-phase emf armature reaction, voltage regulation, parallel operation of two alternators, synchronizing, control of active and reactive power Starting and applications of synchronous motors

<u>Generation, Transmission and Distribution</u> – Different types of power stations, Load factor, diversity factor, demand factor, cost of generation, inter-connection of power stations Power factor improvement, various types of tariffs, types of faults, short circuit current for symmetrical faults Switchgears – rating of circuit breakers, Principles of arc extinction by oil and air, HRC Fuses, Protection against earth leakage / over current, etc Buchholtz relay, Merz-Price system of protection of generators & transformers, protection of feeders and bus bars Lightning arresters, various transmission and distribution system, comparison of conductor materials, efficiency of different system Cable – Different type of cables, cable rating and derating factor

Estimation and costing: Estimation of lighting scheme, electric installation of machines and relevant IE rules Earthing practices and IE Rules

<u>Utilization of Electrical Energy</u>: Illumination, Electric heating, Electric welding, Electroplating, Electric drives and motors

<u>Basic Electronics</u>: Working of various electronic devices eg P N Junction diodes, Transistors (NPN and PNP type), BJT and JFET Simple circuits using these devices

13.3.3 <u>Part- C (Mechanical Engineering):</u>

Theory of Machines and Machine Design:

Concept of simple machine, Four bar linkage and link motion, Flywheels and fluctuation of energy, Power transmission by belts – V-belts and Flat belts, Clutches – Plate and Conical clutch, Gears – Type of gears, gear profile and gear ratio calculation, Governors – Principles and classification, Riveted joint, Cams, Bearings, Friction in collars and pivots

Engineering Mechanics and Strength of Materials:

Equilibrium of Forces, Law of motion, Friction, Concepts of stress and strain, Elastic limit and elastic constants, Bending moments and shear force diagram, Stress in composite bars, Torsion of circular shafts, Bucking of columns – Euler"s and Rankin"s theories, Thin walled pressure vessels

Thermal Engineering:

<u>Properties of Pure Substances</u>: p-v & P-T diagrams of pure substance like H_2O , Introduction of steam table with respect to steam generation process; definition of saturation, wet & superheated status Definition of dryness fraction of steam, degree of superheat of steam H-s chart of steam (Mollier"s Chart)

<u>1</u>st <u>Law of Thermodynamics</u>: Definition of stored energy & internal energy, 1st Law of Thermodynamics of cyclic process, Non Flow Energy Equation, Flow Energy & Definition of Enthalpy, Conditions for Steady State Steady Flow; Steady State Steady Flow Energy Equation

<u>2nd Law of Thermodynamics</u>: Definition of Sink, Source Reservoir of Heat, Heat Engine, Heat Pump & Refrigerator; Thermal Efficiency of Heat Engines & co-efficient of performance of

Refrigerators, Kelvin – Planck & Clausius Statements of 2nd Law of Thermodynamics, Absolute or Thermodynamic Scale of temperature, Clausius Integral, Entropy, Entropy change calculation of ideal gas processes Carnot Cycle & Carnot Efficiency, PMM-2; definition & its impossibility

<u>Air standard Cycles for IC engines</u>: Otto cycle; plot on P-V, T-S Planes; Thermal Efficiency, Diesel Cycle; Plot on P-V, T-S planes; Thermal efficiency.

IC Engine Performance, IC Engine Combustion, IC Engine Cooling & Lubrication

Rankine cycle of steam: Simple Rankine cycle plot on P-V, T-S, h-s planes, Rankine cycle efficiency with & without pump work

Boilers; Classification; Specification; Fittings & Accessories: Fire Tube & Water Tube Boilers

Air Compressors & their cycles; Refrigeration cycles; Principle of a Refrigeration Plant; Nozzles & Steam Turbines

Fluid Mechanics & Machinery:

<u>Properties & Classification of Fluid</u>: ideal & real fluids, Newton's law of viscosity, Newtonian and Non-Newtonian fluids, compressible and incompressible fluids

Fluid Statics: Pressure at a point

Measurement of Fluid Pressure: Manometers, U-tube, Inclined tube

<u>Fluid Kinematics</u>: Stream line, laminar & turbulent flow, external & internal flow, continuity equation

<u>Dynamics of ideal fluids</u>: Bernoulli's equation, Total head; Velocity head; Pressure head; Application of Bernoulli's equitation

Measurement of Flow rate Basic Principles: Venturimeter, Pilot tube, Orifice meter

Hydraulic Turbines: Classifications, Principles

Centrifugal Pumps: Classifications, Principles,

Performance Production Engineering:

<u>Classification of Steels</u>: mild steal & alloy steel, Heat treatment of steel, Welding – Arc Welding, Gas Welding, Resistance Welding, Special Welding Techniques ie TIG, MIG, etc (Brazing & Soldering), Welding Defects & Testing; NDT, Foundry & Casting – methods, defects, different casting processes, Forging, Extrusion, etc, Metal cutting principles, cutting tools, Basic Principles of machining with (i) Lathe (ii) Milling (iii) Drilling (iv) Shaping (v) Grinding, Machines, tools & manufacturing processes.

14. Admission to the Examination:

- 14.1 All candidates who register themselves in response to this advertisement by the closing date and time and whose applications are found to be in order and are provisionally accepted by the Commission as per the terms and conditions of this Notice of Examination, will be assigned Roll numbers and issued Admission Certificate (AC) for appearing in the Computer Based Examination (Paper-I). Subsequently, qualified candidates will be issued Admission Certificates for the next stages of the Examinations.
- 14.2 The Commission will not undertake detailed scrutiny of applications for the eligibility and other aspects at the time of written examination and, therefore, candidature will be accepted only provisionally. The candidates are advised to go through the requirements of educational qualification, experience, age, physical and medical standards etc. and satisfy themselves that they are eligible for the post(s). Copies of supporting documents will be sought at the time of

Document Verification. When scrutiny is undertaken, if any claim made in the application is not found substantiated, the candidature will be cancelled and the Commission's decision shall be final.

- 14.3 Admission Certificates for the Examination will be uploaded on the website of the concerned Regional/Sub-Regional Office of the Commission. Admission Certificate will not be issued by post for any stage of examination. Therefore candidates are advised to visit the website of concerned Regional Office and SSC HQ regularly for updates and information about the examination.
- 14.4 Information about the Examination indicating the time table and City/ Centre of examination for the candidates will be uploaded on the websites of the concerned Regional/ Sub-Regional Office of the Commission about two weeks before the date of examination. If any candidate does not find his/ her detail on the website of the Commission, one week before the date of examination, he/ she must immediately contact the concerned Regional/ Sub-Regional Office of the Commission with proof of having submitted his/ her application. Failure to do so will deprive him/ her of any claim for consideration.
- 14.5 Candidate must write his/ her Registration-ID, registered Email-ID and Mobile Number along with his/ her name, date of birth and name of the examination, while addressing any communication to the Commission. Communication from the candidate not furnishing these particulars shall not be entertained.
- 14.6 Facility for download of Admit Cards will be available about one week before the examination on the website of concerned Regional/ Sub-Regional Office. Candidate must bring printout of the Admission Certificate to the Examination Hall.
- 14.7 In addition to the Admission Certificate, it is mandatory to carry at least two passport size recent colour photographs, Original valid Photo-ID proof having the Date of Birth as printed on the Admission Certificate, such as:
 - 14.7.1 Aadhaar Card/ Printout of E-Aadhaar,
 - 14.7.2 Voter's ID Card,
 - 14.7.3 Driving License,
 - 14.7.4 PAN Card,
 - 14.7.5 Passport,
 - 14.7.6 School/ College ID Card,
 - 14.7.7 Employer ID Card (Govt./ PSU/ Private), etc
- 14.8 If Photo Identity Card does not have the Date of Birth then the candidate must carry an additional original certificate in proof of their Date of Birth. In case of mismatch in the Date of Birth mentioned in the Admission Certificate and photo ID/ Certificate brought in support of Date of Birth, the candidate will not be allowed to appear in the examination.
- 14.9 PwD candidates using the facility of scribes as per paras 9.2 and 9.4 shall also be required to carry required Medical Certificate/ Undertaking/ Photocopy of the Scribe's Photo ID Proof, as specified therein. Candidates without above noted documents will not be allowed to appear in the examination.
- 14.10 Any other document mentioned in the Admission Certificate may also be carried by the candidates while appearing in the Examination.
- 14.11 Applications with blurred photograph and/ or signature will be rejected.

15. Document Verification (DV):

- 15.1 All the candidates qualified for Document Verification are required to appear for Document Verification along with the photocopies and original documents as mentioned at para no: 15.4.
- 15.2 Detailed options for various posts and Departments will be taken from candidates at the time of document verification.
- 15.3 Candidates have to bring two passport size recent colour photographs and one original valid Photo ID Proof while appearing for the Document Verification. Photo ID Proof can be:
 - 15.3.1 Aadhaar Card/ Printout of E-Aadhaar.
 - 15.3.2 Voter ID Card.
 - 15.3.3 PAN Card.
 - 15.3.4 Passport.
 - 15.3.5 Driving License.
 - 15.3.6 Government School/ College ID Card.
 - 15.3.7 Employer ID (Govt./ PSU)
- 15.4 Candidates will have to submit copies of various documents like:
 - 15.4.1 Matriculation/ Secondary Certificate.
 - 15.4.2 Educational Qualification Certificate.
 - 15.4.3 Experience Certificate, if applicable.
 - 15.4.4 Caste/ Category Certificate, if belongs to reserved categories.
 - Persons with Disabilities Certificate in the required format, if applicable.
 - 15.4.6 For Ex-Servicemen (ESM):
 - 15.4.6.1 Undertaking as per **Annexure-V**.
 - 15.4.6.2 Serving Defence Personnel Certificate as per **Annexure-IV**, if applicable.
 - 15.4.6.3 Discharge Certificate, if discharged from the Armed Forces.
 - 15.4.7 Relevant Certificate if seeking any age relaxation.
 - No Objection Certificate, in case already employed in Government/ Government undertakings.
 - 15.4.9 A candidate who claims change in name after matriculation on marriage or remarriage or divorce, etc. the following documents shall be submitted:
 - 15.4.9.1 In case of marriage of women: Photocopy of Husband's passport showing names of spouses or an attested copy of marriage certificate issued by the Registrar of Marriage or an Affidavit from husband and wife along with a joint photograph duly sworn before the Oath Commissioner;
 - 15.4.9.2 In case of re-marriage of women: Divorce Deed/ Death Certificate as the case may be in respect of first spouse; and photocopy of present husband's passport showing names of

spouse or an attested copy of marriage certificate issued by the Registrar of Marriage or an Affidavit from the husband and wife along with joint photograph duly sworn before the Oath Commissioner.

- 15.4.9.3 In case of divorce of women: Certified copy of Divorce Decree and Deed Poll/ Affidavit duly sworn before the Oath Commissioner.
- 15.4.9.4 In other circumstances for change of name for both male and female: Deed Poll/ Affidavit duly sworn before the Oath Commissioner and paper cuttings of two leading daily newspaper in original (One daily newspaper should be of the area of applicant's permanent and present address or nearby area) and Gazette Notification.
- 15.4.10 Any other document specified in the Admission Certificate for DV.

16 Post Preferences:

- Posts of Junior Engineers in BRO has stringent requirement of physical and medical standards including Physical Efficiency Test (Detail available at Annexure-XV). Examination of such physical and medical standards will be conducted after the final selection of candidates by BRO. If a candidate fails in such tests, his candidature will not be subsequently considered for any other post/ department. Candidates are therefore advised to thoroughly go through these requirements and give their considered preference of posts.
- 16.2 The Examination is being held for the post of Junior Engineers in various Ministries/ Departments/ Organizations. Detailed options for various Ministries/ Departments/ Organizations will be taken from candidates at the time of document verification. He/ she will not be considered for a Ministry/ Department/ Organization, if he/ she has not indicated his/ her preference for it. Options confirmed at the time of Document Verification will be treated as final and will not be changed subsequently under any circumstances. Therefore, candidates are advised to be careful in exercise of such options.

17 Mode of Selection:

- 17.1 All candidates who register themselves in response to this advertisement by the closing date and time and whose applications are found to be in order and are provisionally accepted by the Commission as per the terms and conditions of this Notice of Examination, will be assigned Roll numbers and issued Admission Certificate (AC) for appearing in the Computer Based Examination (Paper-I).
- 17.2 Admission Certificates for all stages of examination will be issued online on the websites of concerned Regional/ Sub-Regional Office of the Commission. Candidates are therefore advised to regularly visit the websites of the Commission Headquarters (i.e. https://ssc.nic.in) and concerned Regional/ Sub-Regional office of the Commission under whose jurisdiction the examination centres opted by the candidate are located (detail at para-11.1).
- 17.3 Minimum qualifying marks in Paper-I and Paper-II are as follows:

17.3.1 UR : 30% 17.3.2 OBC/ EWS : 25% 17.3.3 Others : 20%

- 17.4 Based on the normalized marks scored in the (Paper-I) i.e. Computer Based Examination, candidates will be shortlisted, category-wise, to appear in Paper-II.
- 17.5 Based on the performance in Paper-I+Paper-II, candidates will be shortlisted for Document Verification.
- 17.6 Final selection and allocation of Ministries/ Departments/ Organizations will be made on the basis of the performance of candidates in Paper-I+Paper-II and the preference of Ministries/ Departments/ Organizations exercised by them at the time of Document Verification.
- 17.7 Posts of Junior Engineers in BRO has stringent requirement of physical and medical standards including Physical Efficiency Test (Detail available at Annexure-XV). Examination of such physical and medical standards will be conducted after the final selection of candidates by BRO. If a candidate fails in such tests, his candidature will not be subsequently considered for any other post/ department. Candidates are therefore advised to thoroughly go through these requirements and give their considered preference of posts.
- 17.8 Once the candidate has been allotted his/ her first available preference, as per his/ her merit, he/ she will not be considered for any other option. Candidates are, therefore, advised to exercise preference of Posts/ Departments very carefully. The option/ preference once exercised by the candidates will be treated as FINAL and IRREVERSIBLE. Subsequent request for change of Post/ Department by candidates will not be entertained under any circumstances.
- 17.9 The final allotment of posts are made on the basis of merit-cum-preferences of Posts/ Departments given by the candidates and once a post is allotted, no change of posts will be made by the Commission due to non-fulfillment of any post specific requirements of physical/ medical/ educational standards. In other words, for example, if a candidate has given higher preference for a post and is selected for that post; in that case, if he/ she fails to meet the medical/ physical/ educational standards for that post, his/ her candidature will be rejected and he/ she will not be considered for any other posts.
- 17.10 SC, ST, OBC, EWS and PwD candidates, who are selected on their own merit without relaxed standards, will not be adjusted against the reserved share of vacancies. Such candidates will be accommodated against the general/unreserved vacancies in the post as per their position in the overall merit or vacancies earmarked for their category, whichever is advantageous to them. The reserved vacancies will be filled up separately from amongst the eligible SC, ST, OBC, EWS and PwD candidates.
- 17.11 SC, ST, OBC, EWS and PwD candidates who qualifies on the basis of relaxed standards viz. age limit, experience or qualifications, permitted number of chances, extended zone of consideration, etc, irrespective of his/ her merit position, is to be counted against reserved vacancies and not against un-reserved vacancies. Such candidates may also be recommended at the relaxed standards to the extent of number of vacancies reserved for them, to make up for the deficiency in the reserved quota, irrespective of their rank in the order of merit. In so far as cases of Ex-Serviceman are concerned, deduction of the military service rendered from the age of ex-servicemen is permissible against the reserved or unreserved posts and such exemption will not be termed as relaxed standards in regard to age. Similarly for PwD candidates, relaxation of 10 years in upper age limit will not be termed as relaxed standards.

- 17.12 A person with disability who is selected on his/ her own merit can be appointed against an unreserved vacancy provided the post is identified suitable for Persons with Disability of relevant category.
- 17.13 Success in the examination confers no right of appointment unless Government is satisfied after such enquiry as may be considered necessary that the candidate is suitable in all respects for appointment to the service/ post.
- 17.14 The candidates applying for the examination should ensure that they fulfill all the eligibility conditions for admission to the examination. Their admission at all stages of the examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If, on verification, at any time before or after the written examination, it is found that they do not fulfill any of the eligibility conditions, their candidature for the examination will be cancelled.
- 17.15 Candidates, who are appointed on the basis of this examination, shall be on probation for a period of two years and during the period of probation, the candidates would be required to undergo such training or pass such examinations as prescribed by the Controlling Authority. On successful completion of the period of probation, the candidates shall, if considered fit for permanent appointment, be confirmed to their post by the Controlling Authority.
- 17.16 Candidates selected for appointment are liable to serve anywhere in India i.e. all these posts carry All India Service Liability (AISL).
- 17.17 Candidates on final selection may be allotted a State/ UT/ Zone by the concerned User Ministry/ Department/ Organization. Such candidates may be required to acquire the proficiency in local language of the allotted State/ UT/ Zone for confirmation of the candidates to the allotted posts by the concerned User Ministry/ Department/ Organization.
- **18 Resolution of tie cases:** In cases where more than one candidate secure the equal aggregates marks in Paper-I+Paper-II, tie will be resolved by applying the following methods one after another:
 - 18.1 Total marks in Paper-II.
 - 18.2 Date of birth, with older candidates placed higher.
 - 18.3 Alphabetical order of the names of the candidates.
- **19 Action against candidates found guilty of misconduct:** If candidates are found to indulge at any stage in any of the malpractices listed below during the conduct of examination or thereafter, their candidature for this examination will be cancelled and they will be debarred from the examinations of the Commission for the period mentioned below:

S No	Type of Malpractice	Debarment period
1	Taking away any Examination related material such as OMR sheets, Rough Sheets, Commission Copy of Admission Certificate, Answer Sheet etc. from the examination hall or passing it on to unauthorized persons during the conduct of examination.	2 Years
2	Leaving the Examination Venue uninformed during the Examination	2 Years
3	Misbehaving, intimidating or threatening in any manner with the examination functionaries' i.e. Supervisor, Invigilator, Security Guard or Commission's representatives etc.	3 Years
4	Obstruct the conduct of examination/ instigate other candidates not to take the examination.	3 Years

5	Making statements which are incorrect or false, suppressing material	3 Years
	information, submitting fabricated documents, etc.	
6	Obtaining support/ influence for his/ her candidature by any irregular or	3 Years
	improper means in connection with his/ her candidature.	
7	Possession of Mobile Phone in 'switched on' or 'switched off' mode.	3 Years
8	Appearing in the same examination more than once in contravention of the rules.	3 Years
9	A candidate who is also working on examination related matters in the same	3 Years
	examination.	
10	Damaging examination related infrastructure/ equipments.	5 Years
11	Appearing in the Exam with forged Admit Card, identity proof, etc.	5 Years
12	Possession of fire arms/ weapons during the examination.	5 Years
13	Assault, use of force, causing bodily harm in any manner to the examination	7 Years
	functionaries' i.e. Supervisor, Invigilator, Security Guard or Commission's	
	representatives etc.	
14	Threatening/ intimidating examination functionaries with weapons/ fire arms.	7 Years
15	Using unfair means in the examination hall like copying from unauthorized	7 Years
	sources such as written material on any paper or body parts, etc.	
16	Possession of Bluetooth Devices, spy cameras, and any other electronic gadgets	7 Years
	in the examination hall.	
17	Impersonate/ Procuring impersonation by any person.	7 Years
18	Taking snapshots, making videos of question papers or examination material,	7 Years
	labs, etc.	
19	Sharing examination terminal through remote desktop softwares/ Apps/ LAN/	7 Years
	VAN, etc.	
20	Attempt to hack or manipulate examination servers, data and examination	7 Years
	systems at any point before, during or after the examination.	

In accordance with the directions issued by DoP&T vide its OM No: 39020/1/2016- Estt (B) dated 21.06.2016 for increasing access of the unemployed candidates to job opportunities it has been decided that after declaration of final result the Commission will make the scores and rankings in the said open competitive examinations conducted by the Commission available on its website in descending order of ranking. Accordingly, it has been decided that the following details of the candidates will be made available on its website:

- (i) Name of candidate
- (ii) Father/ Husband's name
- (iii) Date of Birth
- (iv) Category(Gen/SC/ST/OBC/PwD)
- (v) Gender of the candidate
- (vi) Educational Qualifications
- (vii) Total Marks obtained in the qualifying examination
- (viii) Ranking by which the merit is decided
- (ix) Complete address
- (x) E-mail address

However, the candidate will have the option, at the time of filling up of his/ her application form, from opting out of disclosing the above details publicly Accordingly, the scores and rankings in respect of only those candidates who have opted for disclosing the above details or else have inadvertently not exercised their options will be made available on the website of the Commission.

21 Commission's decision final:

The decision of the Commission in all matters relating to eligibility, acceptance or rejection of the applications, penalty for false information, mode of selection, conduct of examination(s), allotment of examination centres, selection and allotment of posts/ organizations to selected candidates will be final and binding on the candidates and no enquiry/correspondence will be entertained in this regard.

22 Court Jurisdiction:

Any dispute in regard to this recruitment will be subject to courts/ tribunals having jurisdiction over the place of concerned Regional/ Sub-Regional Offices of the Commission where the candidate has appeared for the Computer Based Examination.

23 Important Instructions to the Candidates:

BEFORE APPLYING, CANDIDATES ARE ADVISED TO GO THROUGH THE (a) **INSTRUCTIONS** GIVEN IN THE NOTICE OF **EXAMINATION** VERY CAREFULLY. THE CANDIDATE MUST WRITE HIS NAME AND DATE OF BIRTH STRICTLY (b) AS RECORDED IN THE MATRICULATION/ SECONDARY CERTIFICATE. IF ANY VARIATION IN THE NAME AND DATE OF BIRTH IS OBSERVED, HIS/ HER CANDIDATURE WILL BE CANCELLED. (c) CANDIDATES ARE ADVISED IN THEIR OWN INTEREST TO SUBMIT ONLINE APPLICATIONS MUCH BEFORE THE CLOSING DATE AND NOT TO WAIT TILL THE LAST DATE TO AVOID THE POSSIBILITY OF DISCONNECTION/ INABILITY OR FAILURE TO LOGIN TO THE SSC WEBSITE ON ACCOUNT OF HEAVY LOAD ON THE WEBSITE DURING THE **CLOSING DAYS.** The Commission will not undertake detailed scrutiny of applications for the eligibility (d) and other aspects at the time of written examination and, therefore, candidature will be accepted only provisionally. The candidates are advised to go through the requirements of educational qualification, age, physical and medical standards etc. and satisfy themselves that they are eligible for the post(s). Copies of supporting documents will be sought at the time of Document Verification. When scrutiny is undertaken, if any claim made in the application is not found substantiated, the candidature will be cancelled and the Commission's decision shall be final. Candidates seeking reservation benefits available for SC/ ST/ OBC/ PwD/ EWS must (e) ensure that they are entitled to such reservation as per eligibility prescribed in the Notice. They should also be in possession of the certificates in the prescribed format in support of their claim. Candidates with **benchmark physical disability** only would be considered as Persons (f) with Disabilities (PwD) and entitled to reservation for Persons with Disabilities. When application is successfully submitted, it will be accepted 'Provisionally'. Candidate (g) should take printout of the application form for their own records. Printout of the 'Application Form' is not required to be submitted to the Commission. Only one online application is allowed to be submitted by a candidate for the (h) Examination. Therefore, the candidates are advised to exercise due diligence at the time of filling their online Application Forms. In case, more than one applications of a candidate are detected, the Commission will consider latest application. If a candidate submits multiple applications and appears in the examination (at any stage) more than once, his/ her candidature will be cancelled and he/ she will be debarred from the

	examinations of the Commission as per rules.
(i)	The candidates must write their father's name and mother's name strictly as given in the
(1)	Matriculation/ Secondary Certificates otherwise their candidature may be cancelled at the
	time of Document Verification or as and when it comes into the notice of the
	commission.
(j)	Applications with blurred/illegible Photograph/ Signature will be rejected summarily.
(k)	Request for change/ correction in any particulars in the Application Form, once
(1)	submitted, will not be entertained under any circumstances.
(1)	Candidates are advised to fill their correct and active e-mail addresses and mobile number
	in the online application as correspondence may be made by the Commission through e-
()	mail/ SMS.
(m)	The candidates must carry two passport size recent colour photographs and one original
	Photo ID Proof such as Aadhaar Card/ printout of E-Aadhaar, Driving License, Voter Card, PAN Card, Identity Card issued by University/ College/ Government or any other
	office where the candidate may be working, etc to the Examination Venue, failing which
	they will not be allowed to appear for the same. If Photo Identity Card does not have the
	Date of Birth then the candidate must carry an additional original certificate in proof of
	their Date of Birth. PwD candidates using the facility of scribes as per paras 9.2 and 9.4
	shall also be required to carry required Medical Certificate/ Undertaking/ Photocopy of
	the Scribe's Photo ID Proof, as specified therein.
(n)	In case of fake/ fabricated application/ registration by misusing any dignitaries name/
	photo, such candidate/ cyber cafe will be held responsible for the same and liable for
	suitable legal action under cyber/ IT act.
(o)	llA the posts carry All India Service Liability (AISL) i.e. the candidate, on selection, may
	be asked to serve anywhere in the country.
(p)	If a candidate scoring more than cut-off marks at any Tier/ stage of the examination is not
	qualified for the subsequent stage/ final selection due to any reason, he/ she must
	represent to the concerned Regional/Sub-Regional Office of the Commission within two
	months of the declaration of the result or two week prior to the conduct of next stage of
(~)	the examination, whichever is earlier.
(q)	If a candidate is finally selected and does not receive any correspondence from the
	Commission or the concerned User Department within a period of one year after declaration of result, he/ she must communicate immediately thereafter with the
	concerned User Department.
(r)	Fee payable: Rs 100/- (Rs. one hundred only). Women candidates and candidates
(1)	belonging to Scheduled Caste (SC), Scheduled Tribe (ST), Persons with disability (PwD)
	and Ex-servicemen (ESM) eligible for reservation are exempted from payment of fee.
L	1

Under Secretary (P&P-II)

Annexure-I

Certificate regarding physical limitation in an examinee to write

This	18	to	certify	that,	1	have	examined	d Ma	r/Ms/Mrs
				(na	me of	the candi	date with di	sability),	a person
with					(natur	e and p	ercentage	of disa	bility as
mentione	ed in	the certi	ficate of dis	ability), S	/o / D/o			a re	sident of
			_ Village/D	istrict/Sta	ite) and	to state	that he/	she has	physical
limitatio	n whic	h hampe	rs his/ her w	riting cap	abilities	owning t	o his/ her dis	sability.	
								S	Signature
			Chief Me	dical Offic	cer/ Civi	l Surgeon	/ Medical Su	uperinten	dent of a
						Gove	ernment heal	th care in	stitution
							Nai	me & Des	signation
			Nan	ne of Gove	ernment	Hospital/	Health Care	e Centre v	with Seal
ce:									
e:									
te:									
tificate sh	ould b	e given l	oy a speciali	st of the re	elevant s	stream/ di	sability (eg	Visual	
airment-C	Ophtha	lmologis	st, Locomoto	or disabilit	tv-Ortho	paedic sp	ecialist/ PM	R)	

Annexure-II

Letter of Undertaking for Using Own Scribe

Ι	, a candidate wit	h (name of the
disability) appearing for the		(name of the examination) bearing
Roll No	at	(name of the centre) in the
District	,	(name of the State/ UT) My
qualification is		
I do hereby state that		(name of the scribe) will provide the
service of scribe/ reader/ lab assistant	t for the undersigned f	For taking the aforesaid examination
•	r qualification is not	is In case, as declared by the undersigned and is and claims relating thereto
	(Sign	nature of the candidate with Disability)
Place:		
Date:		

(Procedure for filling online Application)

The process of filling online application for the examination consists of two parts:

- I. One-time Registration.
- II. Filling online Application for the Examination.

Part-I (One-Time Registration):

- 1. Please read the instructions given in the Notice of Examination carefully before filling up the online 'One-time Registration Form' and 'Application Form'.
- 2. Before proceeding with One-time Registration, keep the following information/ documents ready:
 - a. Mobile Number (to be verified through OTP).
 - b. Email ID (to be verified through OTP).
 - c. Aadhaar Number. If Aadhaar Number is not available, please give one of the following ID Numbers. (You will be required to show the original document at a later stage):
 - i. Voter ID Card
 - ii. PAN
 - iii. Passport
 - iv. Driving License
 - v. School/ College ID
 - vi. Employer ID (Govt./ PSU/ Private)
 - d. Information about the Board, Roll Number and Year of Passing the Matriculation (10th) Examination.
 - e. Scanned colour passport size recent photograph in JPEG format (20 KB to 50 KB). Image dimension of the photograph should be about 3.5 cm (width) x 4.5 cm (height). **Applications with blurred photograph will be rejected**.
 - f. Scanned signature in JPEG format (10 to 20 KB). Image dimension of the signature should be about 4.0 cm (width) x 3.0 cm (height). **Applications with blurred signature will be rejected**.
 - g. Disability Certificate Number, if you are a person with benchmark disability.
- 3. For One-time Registration, click on 'Register Now' link provided in 'Login' Section on https://ssc.nic.in.
- 4. One-time Registration process requires filling up of following information:
 - a. Basic Details
 - b. Additional Details and Contact Details
 - c. Uploading of the scanned images of passport size photograph and signature.

5. For filling up the 'One-time Registration Form', please follow the following steps:

- a. Few critical details (e.g. Aadhaar Number, name, father's name, mother's name, date of birth, etc) are required to be entered twice, in the relevant columns of the Registration Form, for verification purpose and to avoid any mistakes. If there is mismatch between original and verify data columns, indication will be given in red text.
- b. S No-1, provide information about Aadhaar Number / Identity Card and its Number. Any one of these Numbers is required to be given.
- c. S No-2: Fill your name **exactly** as given in Matriculation (10th Class)

- Certificate. In case, you have made any changes in your name after matriculation, indicate the same at S No-2c and 2d.
- d. S No-3: Fill your father's name **exactly** as given in Matriculation (10th Class) Certificate.
- e. S No-4: Fill your mother's name **exactly** as given in Matriculation (10th Class) Certificate.
- f. S No-5: Fill your date of birth **exactly** as given in Matriculation (10th Class) Certificate.
- g. S No-6: Matriculation (10th Class) Examination Details which include:
 - i. Name of Education Board
 - ii. Roll Number
 - iii. Year of passing
- h. S No-7: Gender
- i. S No-8: Level of Educational Qualification (Highest).
- j. S No-9: Your Mobile Number. This must be a working mobile number as it will be verified through 'One Time Password' (OTP). It may be noted that any information which the Commission may like to communicate with you, will be sent on this mobile number only. Your mobile number will also be used for retrieval of password/Registration Number, if required.
- k. S No-10: Your Email ID. This must be a working Email ID as it will be verified through OTP. It may also be noted that any information which the Commission may like to communicate with you, will be sent on this Email ID only. Your Email ID will also be used for retrieval of password/ Registration Number, if required.
- 1. Provide detail of State/ UT of your Permanent Address.
- m. When the Basic Details provided at S No-1 to 10 are saved, you will be required to confirm your mobile number and email ID. On confirmation, your data will be saved and your Registration Number will be displayed on the screen. Your Registration Number and Password will be provided to you on your mobile number and Email ID.
- n. You have to complete the Registration Process within 14 days failing which your Registration Details saved so far will be deleted.
- o. Login using your Registration Number as username and auto generated password provided to you on your mobile and email. Change your password, when prompted on first login.
- p. After successful password change, you need to login again using your Registration Number and changed password.
- q. On successful login, information about the 'Basic Details' so far filled by you will be displayed. You may edit it, if required or proceed further by clicking on 'Next' button at the bottom to complete your One-time Registration.
- r. S No-11: Provide information about your Category.
- s. S No-12: Provide information about your Nationality
- t. S No-13: Provide information about visible Identification Mark. You may be required to show the above Identification Mark at various stages of examination.
- u. S No-14: Provide information about benchmark disabilities, if any. If you are suffering from any specific benchmark disability identified suitable for government jobs, then provide Disability Certification

- Number.
- v. S No: 15 to 18: Provide information about your Permanent and Present Address. Save the data and proceed further to last Part of the Registration Process.
- w. S No: 19 & 20: Upload your recent Photo and Signature as specified at S No-2 above.
- x. Save the information provided. Take draft printout and review the information provided thoroughly, before 'Final Submit'.
- y. Upon clicking 'Final Submit' different OTPs will be sent on your mobile number and Email ID. You need to enter one of the two OTPs at designated field to complete the Registration Process.
- z. Read the 'Declaration' carefully and if you agree with the declaration, click 'I Agree'.
- aa. After submission of Basic Information, if the registration process is not completed within 14 days, your data will be deleted from the system.
- 6. After completion of registration process, 'Basic Details' can be changed only twice. **THEREFORE BE EXTREMELY CAUTIOUS WHILE MAKING ONE TIME REGISTRATION**.
- 7. YOU ARE AGAIN ADVISED THAT NAME, FATHER'S NAME, MOTHER'S NAME, DATE OF BIRTH, MATRICULATION EXAMINATION DETAIL SHOULD BE FILLED EXACTLY AS RECORDED IN MATRICULATION CERTIFICATE. YOUR CANDIDATURE MAY GET CANCELLED IN CASE OF INCORRECT/ WRONG INFORMATION.

Part-II (Online Application Form)

- 1. Login to online system through your Registration Number and password
- 2. Click 'Apply' link in 'Junior Engineer (Civil, Mechanical, Electrical and Quantity Surveying & Contracts) Examination 2019' Section under 'Latest Notifications' tab.
- 3. Information in columns at S No-1 to 14 will be automatically filled from your One-time Registration Data which is non-editable.
- 4. S No-15: Give your preference for Examination Centers. You may choose examination Centers within the same Region. Choice for all the three Centers must be given in the order of preference.
- 5. S No-16: If you are an ex-serviceman, fill up the required information. Wards of servicemen/ ex-servicemen are not treated as ex-servicemen.
- 6. S No-17: If you are eligible for availing the facility of scribe as per Para-9.2 of the Notice of examination, provide information about the requirement of scribe.
- 7. S No-18: If you are seeking age relaxation, select appropriate age-relaxation category.
- 8. S No-19: Select the post you wish to apply.
- 9. S No-20: Indicate your highest technical qualification relevant to the post and Stream/Subject of technical qualification.
- 10. S No-21: If you belong to Economically Weaker Section (EWS), click on 'Yes', else 'No'. **This is applicable for only un-reserved candidates.**
- 11. S No-22: Please see Notice of Examination, Para No: 20 and fill up accordingly.
- 12. S No-23 & 24: Information about your Postal Address and Permanent Address will be automatically filled from the One-time Registration data.
- 13. Your Photo and Signature will be automatically fetched from the One-time Registration Data.
- 14. Go through the undertaking you need to give for appearing in the examination and if you agree, click on "I agree" check box and fill up Captcha code.
- 15. Preview and verify the information provided by you and submit the Application.
- 16. Proceed to make fee payment if you are not exempted from payment of fee.
- 17. Fee can be paid through BHIM UPI, SBI Challan/ Net Banking or by using Visa, Mastercard, Maestro, RuPay Credit or Debit cards or in cash at SBI Branches by generating SBI Challan.
- 18. Refer Para-10 of the Notice of Examination for further information on the payment of fee.
- 19. When application is successfully submitted, it will be accepted 'Provisionally'. Candidates must take printout of the application form for their own records. Normally, printout of the 'Application Form' is not required to be submitted to the Commission at any stage. However, if there is any discrepancy in the data, copy of the printout may be demanded by the Commission.

ANNEXURE-V

FORM OF CERTIFICATE FOR SERVING DEFENCE PERSONNEL

I	hereby	certify	that,	accor	ding	to	the	infor	mation	availabl	e with	ı me	(No)
		(Rank)_				(Na	me)_					is o	due to
complete	the spe	ecified	term c	of his	enga	gem	nent	with	the Arı	med Ford	es on	the	(Date)
								(Signa	ature of	Commar	\mathcal{C}		,
											Office	e Sea	ıl
Place:													
Date:													

UNDERTAKING TO BE GIVEN BY THE EX-SERVICEMEN

I	, bearing Roll No	,					
appearing for the Document Ve	erification of the						
Examination, 20, do he	reby undertake that:						
	ts admissible to Ex-Servicemen in terms of Civil Services and Posts Rules, 1979, as a						
Autonomous Bodies/ State	rnment job on civil side (including Public utory Bodies, Nationalized Banks, etc.) in availing of the benefits of reservation gives	Group 'C' and 'D'					
	c) I have availed the benefit of reservation as ex-serviceman for securing Government job on civil side. I have joined as						
submitted the self-declarat		bout date wise detail					
civil side. I have joined a	of reservation as ex-serviceman for securingson Therefore, I am eligible for age-r	in the office of					
knowledge and belief. I unders	e statements are true, complete and correct stand that in the event of any information b didature/ appointment is liable to be cancel	eing found false or					
	Signature:						
	Name:						
	Roll Number:						
	Date:						
	Date of appointment in Armed Forces:						
	Date of Discharge:						
	Last Unit/ Corps:						
	Mobile Number:						
	Email ID:						

FORMAT FOR SC/ ST CERTIFICATE

A candidate who claims to belong to one of the Scheduled Caste or the Scheduled Tribes should submit in support of his claim an attested/certified copy of a certificate in the form given below, from the District Officer or the sub-Divisional Officer or any other officer as indicated below of the District in which his parents (or surviving parent) ordinarily reside who has been designated by the State Government concerned as competent to issue such a certificate. If both his parents are dead, the officer signing the certificate should be of the district in which the candidate himself ordinarily resides otherwise than for the purpose of his own education. Wherever photograph is an integral part of the certificate, the Commission would accept only attested photocopies of such certificates and not any other attested or true copy.

(The format of the certificate to be produced by Scheduled Castes and Scheduled Tribes candidates applying for appointment to posts under Government of India)

This is to certify that Shri/S	mt/Kumari*				on/daughte
of		of	village/town/*in	District/	Division
	of	the	State/Union	ı	Territory
	belongs to th	ne Caste/Tr	ibe		which
is recognized as a Scheduled	Castes/Scheduled T	Tribes* und	er:-		
The Constitution (Scheduled	Castes) order, 1950)			
The Constitution (Scheduled	Tribes) order, 1950				
The Constitution (Scheduled	Castes) Union Terr	ritories orde	r, 1951 *		
The Constitution (Scheduled	Tribes) Union Terr	itories Orde	er, 1951*		
As amended by the Schedule	d Castes and Sched	uled Tribes	Lists(Modification))	
order, 1956, the Bombay Red	organization Act, 19	060 & the P	unjab Reorganizatio	on	
Act, 1966, the State of Himae	chal Pradesh Act 19	70, the No	th-Eastern		
Area(Reorganization) Act, 19	971 and the Schedul	led Castes a	and Scheduled Tribe	es	
Order(Amendment) Act, 197	6				
The Constitution (Jammu &	Kashmir) Scheduled	d Castes Or	der, 1956		
The Constitution (Andaman	and Nicobar Islands	s) Scheduled	d Tribes Order, 1959	9 as	
amended by the Scheduled C	astes and Scheduled	d Tribes ord	ler (Amendment Ac	et), 1976*	
The Constitution (Dadra and	Nagar Haveli) Sche	eduled Cast	es order 1962		
The Constitution (Dadra and	Nagar Haveli) Sche	eduled Trib	es Order 1962@		
The Constitution (Pondichern	y) Scheduled Caste	s Order 196	54@		
The Constitution (Scheduled	Tribes) (Uttar Prade	esh) Order,	1967 @		
The Constitution (Goa, Dama	an & Diu) Schedule	d Castes O	rder, 1968@		
The Constitution (Goa, Dama	an & Diu) Schedule	d Tribes O	der 1968 @		
The Constitution (Nagaland)	Scheduled Tribes C	Order, 1970	@		
The Constitution (Sikkim) So	cheduled Castes Ord	der 1978@			
The Constitution (Sikkim) So	cheduled Tribes Ord	ler 1978@			
The Constitution (Jammu &)	Kashmir) Scheduled	d Tribes Or	der 1989@		
The Constitution (SC) orders	(Amendment) Act,	1990@			
The Constitution (ST) orders	(Amendment) Ord	linance 199	1@		
The Constitution (ST) orders	(Second Amendme	ent) Act, 99	1@		
The Constitution (ST) orders	(Amendment) Ordi	inance 1996	5		
The Scheduled Caste and S	Scheduled Tribes	Orders(Ar	nendment)Act.20	02	

The Constitution (Scheduled Caste) Orders (Amendment) Act,2002

%2 Applicable in the case of Scheduled Castes, Scheduled Tribes persons who have migrated from one State/Union Territory Administration

This certificate is issued	d on the b	oasis of	the Sch	eduled (Castes/ S	Sche	duled tribes of	ertifica	ite issu	ed to		
Shri/Shrimati			Fa	ther/mo	ther					_of		
Shri/Srimati/Kumari*_					of villag	e/to	wn*					
	_ in Dis	trict/D	ivision*_				of the State/ Union					
Territory*				_who	belong		long	to	to			
			Caste	/Tribe	which	is	recognized	as a	Sche	duled		
Caste/Scheduled							Territory'					
the			da	ited								
town* District/Division*				the	Sta	of te/	Union	Terri	itory	of		
District Division			01	the	Sta		Omon	TCII	itor y	OI		
Signature			**									
Designation												
(with seal of office)												
Place												
Date	_											

- * Please delete the words which are not applicable
- @ Please quote specific presidential order
- % Delete the paragraph which is not applicable

<u>NOTE:</u> The term "ordinarily reside(s)" used here will have the same meaning as in section 20 of the Representation of the People Act, 1950

** List of authorities empowered to issue Caste/Tribe Certificates:

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

<u>NOTE:</u> ST candidates belonging to Tamil Nadu state should submit caste certificate ONLY FROM THE REVENUE DIVISIONAL OFFICER.

ANNEXURE-VIII

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

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

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

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

^{**} As amended from time to time.

INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No	D	ate		
VALID I	FOR THE YEAR	_		
This is to certify that Shri/Spermanent residen	Smt./Kumari		_son/daughte	er/wife of
permanent residen	nt of	, Village/Stre		
OfficeDistri	ctin	the	State/	
TerritoryPin				
Economically Weaker Sections, sin	0		•	
Lakh (Rupees Eight Lakh only) for		_ His/ her fa	mily does n	ot own or
possess any of the following assets '	*** •			
I. 5 acres of agricultura	l land and above;			
II. Residential flat of 10	*			
<u>*</u>	00 sq. yards and above in notif			
	200 sq. yards and above	in areas of	her than th	e notified
municipalities.				
2. Shri/Smt./Kumarirecognized as a Scheduled Caste, Sc				
	Signature with seal of Office	e		
	Name			
	Design	nation		
Recent Passport size attested photograph of the applicant				

^{*}Note 1: Income covered all sources i.e. salary, agriculture, business, profession etc.

^{**} Note 2: The term 'Family' for this purpose include the person, who seeks benefit of reservation, his/ her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

^{***}Note 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

Form-V Certificate of Disability

(In cases of amputation or complete permanent paralysis of limbs or dwarfism and in case of blindness) [See rule 18(1)]

(Name and Address of the Medical Authority issuing the Certificate)

Recent passport size attested photograph (Showing face only) of the person with disability

Certificate No

Certificate No)	Date.				
					ed Shri/Smt/Kum Shri	Date
					s, male/female -	Bate
					ermanent resident of	House
					Post Office	
					, whose photog	raph is
affixed above	, and am sat	isfied tha	t:			
(A) he/she is	a case of:					
 locomo 	tor disability	7				
 dwarfis 	sm					
• blindne	ess					
(Please tick	as applicab	le)				
(B) the diagno	osis in his/h	er case is				
permanent 1	locomotor d of body) as	isability/oper guide	dwarfism	/blindr	percent (in ness in relation to an innumber and date of	his/her
2 The a residence:-	pplicant ha	s submit	tted the	follow	ring document as	proof of
Nature	of	Date of I	ssue		Details of author	ority
Document					issuing certificate	

(Signature and Seal of Authorised Signatory of notified Medical Authority)

Signature/thumb impression of the person in whose favour certificate of disability is issued

Form - VI Certificate of Disability (In cases of multiple disabilities) [See rule 18(1)]

(Name and Address of the Medical Authority issuing the Certificate)

Recent passport size attested photograph (Showing face only) of the person with disability

Certificate No			Date:
This is to certify that	we have car	efully examine	d Shri/Smt/Kum
<u> </u>		on/wife/daugh	•
		, ,	D/MM/YY)
Age years, male/fema			, ,
Registration No			f House No
Ward/Village/Street	Post (Office	District
State, whose p			
(A) he/she is a case of Mult			
impairment/disability has h	_	=	
and date of issue of the guid			
below, and is shown agains			
S No Disability	Affected	Diagnosis	Permanent physical
	part of		impairment/mental
	body		disability (in %)
1 7	1		,
1. Locomotor	@		
disability	1		
2. Muscular			
Dystrophy			
3. Leprosy cured 4. Dwarfism			
5. Cerebral Palsy	1		
6. Acid attack Victim			
7. Low vision	#		
8. Blindness	#		
9. Deaf			
	£		
10 Hard of Hearing	£		
11 Speech and			
Language disability 12 Intellectual			
Disability			
13 Specific Learning			
Disability			
14 Autism Spectrum			
Disorder			
15 Mental illness			
16 Chronic			
Neurological			

	Conditions		
17	Multiple sclerosis		
18	Parkinson's disease		
19	Haemophilia		
20	Thalassemia		
21	Sickle Cell disease		

(B) In the light of the above, his/her over all permanent physical impairment as per guidelines (......number and date of issue of the guidelines to be specified), is as follows:

In fi	igures : -		percent
In	words	:-	
pero	cent		

- 2 This condition is progressive/non-progressive/likely to improve/not likely to improve
- 3 Reassessment of disability is:
 - (i) not necessary,

01

(ii) is recommended/after years months, and therefore this certificate shall be valid till ---- ----

(DD) (MM) (YY)

- @ eg Left/right/both arms/legs
- # eg Single eye
- £ eg Left/Right/both ears
- 4 The applicant has submitted the following document as proof of residence:

Nature of document	Date of issue	Details of authority issuing certificate

5 Signature and seal of the Medical Authority

Name and Seal of Member	Name and Seal of Member	Name and Seal of
		the Chairperson

Signature/thumb impression of the person in whose favour certificate of disability is issued

Form – VII Certificate of Disability

(In cases other than those mentioned in Forms V and VI) (Name and Address of the Medical Authority issuing the Certificate) (See rule 18(1))

Recent passport size attested photograph (Showing face only) of the person with disability Certificate No Date: This is to certify that I have carefully examined Shri/Smt/Kum _ son/wife/daughter of Shri _____ Date of Birth (DD/MM/YY)____ ___ Age ____ years, male/female _____ Registration No Shri _____ _____ permanent resident of House No ______
Ward/Village/Street _____ Post Office ______ District
_____ State _____, whose photograph is affixed above,
and am satisfied that he/she is a case of ______ disability His/her extent of percentage physical impairment/disability has been evaluated as per guidelines (.....number and date of issue of the guidelines to be specified) and is shown against the relevant disability in the table below: Permanent physical S No Disability Affected Diagnosis part of impairment/mental disability (in %) body Locomotor (a)disability Muscular Dystrophy Leprosy cured Cerebral Palsy 5. Acid attack Victim Low vision # 6. 7. Deaf € Hard of Hearing € Speech and Language disability 10. Intellectual Disability 11. Specific Learning Disability 12. Autism Spectrum Disorder 13. Mental illness 14. Chronic Neurological Conditions 15. Multiple sclerosis

16. Parkinson's disease

17. Haemophilia					
18. Thalassemia					
19. Sickle Cell disease					
(Please strike out the disabi	lities which	are not applica	ıble)		
2 The above condition is pro	gressive/no	n-progressive/	likely to improve/not		
likely to improve					
3 Reassessment of disability	is:				
(i) not necessary, or					
(ii) is recommended/after years months, and therefore					
this certificate shall be valid till (DD/MM/YY)					
@ - eg Left/Right/both arms	s/legs	. ,			
# - eg Single eye/both eyes	, ,				
€ - eg Left/Right/both ears					
2 , 3 ,					

4 The applicant has submitted the following document as proof of residence:

Nature of document	Date of issue	Details of authority issuing certificate

(Authorised Signatory of notified Medical Authority) (Name and Seal)

Countersigned
{Countersignature and seal of the
Chief Medical Officer/Medical Superintendent/
Head of Government Hospital, in case the
Certificate is issued by a medical authority who is
not a Government servant (with seal)}

Signature/thumb impression of the person in whose favour certificate of disability is issued

Note: In case this certificate is issued by a medical authority who is not a Government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District

Educational Qualification:

Diploma
B.E.
B.Tech.
AMIE (Part A & Part B).
BSc (Engg.)
M.E.
M. Tech.
M. Sc (Engg.)

Subject Code for Educational Qualification

Stream/ Subject of Educational Qualification
Civil Engineering
Electrical Engineering
Mechanical Engineering
Automobile Engineering

Physical Efficiency Test, Physical and Medical Standard for the Posts of Junior Engineers in Border Roads Organization (BRO)

1 Physical Efficiency Test

- (i) Criteria for Physical Efficiency Tests are placed as '**Schedule-I**' of the Notification The Physical Efficiency Tests will be conducted at GREF Centre or respective Recruitment Centre as applicable, by a Board of Officers, detailed by the Headquarters, Director General Border Roads.
- Physical Standards Region wise requirement of Physical Standards of personnel for recruitment in GREF (Border Roads Organization) is placed as 'Schedule-II' of the Notification.
- (A) <u>Medical Standards</u> The specified Medical Standards are requirement for recruitment of candidates for their service in GREF (BRO) as per their job profile, charter of duties and anticipated deployment, including extreme remote areas, high altitude areas and difficult areas of hilly terrain etc. Medical Standards have been specified in '<u>Schedule-III'</u> of the Notification.
 - (B) <u>Medical Examination & Medical Tests:</u> Medical examination and medical tests will be carried out as per guidelines of this Notification for each provisionally selected candidate. The Medical Examination will be carried out by a Medical Board nominated by HQ DGBR. The guidelines to be followed for conduct of Medical Examination and the procedure for declaring candidates as Temporary or Permanent UNFIT are enumerated in succeeding sub-paras:
 - (i) After detailed checking of all documents, Officer-In-Charge Recruiting Section will handover medical papers (duly affixed with passport size photograph) of selected candidates to Medical Board of respective Recruitment Centre, including GREF Centre, and the candidates will report as per schedule decided Medical examination of provisionally selected candidates will be carried out by two Medical Officers at each Recruitment Centre including GREF Centre.
 - (ii) Recruitment Medical Board will examine the medical fitness of the candidates as per guidelines of this Notification.
 - (iii) Candidates found medically fit or unfit will be informed of their medical result by the **Medical Board** themselves so that the candidates are clear about their position.

- (iv) Where the medical officer needs the opinion of a Specialist, the case will be referred to Military Hospital or any service/ Army Hospitals in proximity of respective Recruitment Centre or GREF Centre Based on the day of the OPD of concerned Specialist, doctor would personally brief the candidate about the conduct of medical examination at Military Hospital and subsequent procedure.
- (v) Medical papers in respect of fit and unfit candidates will be given to Recruiting Section/ Mobile Regional Recruitment Team by MI Room after completion of medical examination preferably on the same day of medical examination but not later than 5 days from the date of examination.
- (vi) Details about cases referred to Military Hospitals or any Service/ Army Hospitals will also be informed by Medical Board to Recruiting Section simultaneously.
- (vii) Referred cases returned by Medical Specialist duly reviewed by concerned Specialist will be disposed of by Regimental Medical Officer expeditiously according to the remarks of Specialist and Recruiting Section be informed simultaneously by Regimental Medical Officer.
- (viii) <u>Temporarily Unfit:</u> Candidates declared temporarily UNFIT will be divided in two categories:
 - (a) Temporarily Unfit due to Medical Reasons: Candidates who are declared Temporary UNFIT due to medical reasons will be informed of their disability in writing by Medical Board and Officer-In-Charge Recruiting or Board of Officer or Mobile Regional Recruitment Team. Such candidates have a right to appeal against the medical examination conducted by the Recruitment Centre Medical Board and such appeal should be made within the period of 60 days from the date of being declared temporarily unfit initially by the Medical Board of Recruitment Centre. Such candidates should report for medical examination by Specialist 05 (five) days in advance with an appeal and will be referred to concerned Specialist of nearest Military Hospital/ Service Hospital on Review Certificate in duplicate. Such candidates will not be required to deposit Rs 40/- as fees for re-medical examination. If such candidates are found UNFIT again on review, no further chance will be given for remedical examination and their candidature shall stand cancelled automatically. After re-medical examination, if candidates are found FIT, the whole process of induction shall be completed within a period of six months from the date of initial medical examination. In case induction is

not completed within a period of six months from the date of initial medical examination, candidature of such a candidate for recruitment shall stand cancelled automatically, where delay is due to acts attributable to the candidate himself.

- (b) Temporarily Unfit for being Below Physical Standards: Candidates declared Temporary UNFIT due to physical standards will also be informed of their disability or shortcoming in writing by the Medical Board and Officer-In-Charge Recruiting or Board of Officer or Mobile Regional Recruitment Team. Candidates protesting in writing against Physical measurements will be once again measured by Medical Board of Recruitment Centre in the presence of Commandant or Officer-In-Charge Recruiting in case Medical Examination is carried out at GREF Centre and in the presence of Board of Officers in case it is carried out at Mobile Regional Recruitment Team Centre within 24 hrs of the Medical Examination. Candidates declared Temporary UNFIT for being Below Physical Standards in weight or Chest measurement only will be given a reasonable time not exceeding two months from the date of initial Medical Examination for attaining the desired standards. After re-measurement, if candidate is found FIT the whole process of induction shall be completed within a period of six months from the date of initial medical examination. In case induction is not completed within a period of six months from the date of initial medical examination, candidature of such a candidate for recruitment shall stand cancelled automatically, where delay is due to acts attributable to the candidate himself.
- (ix) <u>Permanently Unfit:</u> Candidates declared Permanent UNFIT also will be divided in two categories:
 - (a) Permanently Unfit due to medical reasons: Candidates who are declared Permanent UNFIT by the Medical Board will be informed of their disability in writing by the Medical Board and Officer-In-Charge Recruiting or Board of Officers. Such candidates have a right to appeal against the present medical examination within a period of 60 days of their being declared permanently unfit. In case such candidates should report at GREF Centre or Recruitment Zone 05 (Five) days in advance with an appeal for re-medical examination, the Medical Board will refer such candidates to the nearest service hospital on Review certificate in duplicate. Such candidates will be required to deposit a sum of Rs 40/- in Govt. treasury at SBI before the re-medical examination by the service

Specialist is done. All such cases which are declared UNFIT again on review by the concerned Specialist, will not be given any further chance for re-medical Examination/ Review and their candidature shall stand cancelled automatically. After re-medical examination, if candidates are found FIT, the whole process of induction shall be completed within a period of six months from the date of initial medical examination. In case induction is not completed within a period of six months from the date of initial medical examination, candidature of such a candidate for recruitment shall stand cancelled automatically, where delay is due to acts attributable to the candidate himself.

- (b) <u>Permanently Unfit for being Below Physical Standards:</u> For candidates declared Permanent UNFIT by Medical Board due to being below physical standards with respect to height, no appeal can be made against physical measurements. However candidates protesting against physical measurements will be once again measured by Medical Board in presence of Officer-In-Charge Recruiting or Commandant GREF Centre or Board of Officers or Mobile Regional Recruitment Team (MRRT) as the case may be on the very same day.
- (x) <u>Visual standards:</u> Visual acuity not less than 6/12 each eye or Right eye 6/6, Left 6/24. Corrective spectacles are permitted during the visual test. Unaided vision in case of corrected vision will not be below 6/60 in each eye and on correction will be same as laid down for other recruits.
- (xi) <u>Surgery:</u> Any candidate who have recently undergone abdominal surgery (e.g.: in Hernia, Muscle defect, Nephrolithotomy, Cholelithiasis, Cholecystotomy) are liable to be made Unfit for one year as per existing rules. However, the provision of medical appeal for permanent unfit cases remains the same i.e. within 2 months. In such cases same criterion as for eye surgery cases should be followed as above.
- (C) <u>Medical Fitness:</u> Notwithstanding anything contained in these rules, only those persons who are medically fit shall be eligible for appointment under the provisions of these rules.
 - (i) Border Roads Organisation is a Central Govt. Organisation with all India transferable liabilities. BRO is governed by Central Civil Services Rules. However, certain provisions of Army Act-1950 are also applicable to members of the Force.
 - (ii) The final selection of the candidates selected by Staff Selection

Commission and GREF Centre will be subject to pass the Medical fitness test. Medical Board detailed by Headquarters Director General Border Roads will carry out the medical fitness test of the candidates declared selected by SSC and GREF Centre.

- (iii) Candidates declared medically 'FIT' by the Medical Board, will be inducted in General Reserve Engineer Force (BRO) subject to fulfillment of all other criteria and have to undergo initial training at GREF Centre, Dighi Camp, Pune-15.
- (iv) After imparting training at GREF Centre, they will be posted anywhere in India as per available vacancies.
- <u>Cancellation of candidature:</u> If any, candidate is absent on the date of reporting for Medical Examination or during Medical Examination or does not report for Medical Review within prescribed time limit, his candidature shall be cancelled automatically. No representation/appeal in this regard will be entertained by the department.
- 5 <u>Power to relax rules:</u> Where the Central Government is of the opinion that it is necessary or expedient so to do, it may, by order and for reason to be recorded in writing, relax any of the provisions of these rules with respect to any class or category of persons.
- Saving: Nothing in these rules shall effect reservation, relaxation of age-limit and other concessions required to be provided for the Scheduled Castes, the Scheduled Tribes, Exserviceman and other special categories of persons in accordance with the orders issued by the Central Government from time to time in this regard.

PHYSICAL EFFICIENCY TEST (FOR GROUP 'B' NON-GAZETTED POSTS)							
S No	ACTIVITY	MAXIMUM MARKS	TIME AVAILABLE				
1.	ONE MILE RUN	ONLY PASSING THE TEST IS MANDATORY	10 MINUTES				

NOTE: (i) ONE MILE RUN TO BE COMPLETED WITHIN THE SPECIFIED TIME.

(ii) CANDIDATES QUALIFYING THROUGH STAFF SELECTION COMMISSION WILL HAVE TO MANDATORILY PASS THE TEST IN ONE MILE RUN TO BE HELD AT GREF CENTRE, PUNE TO UNDERGO FURTHER MEDICAL EXAMINATION.

Schedule-II

REGION-WISE PHYSICAL STANDARDS OF PERSONNEL

S/	Region	States/Region included	Physical Standards		
No	-		Minimum Height	Chest	Minimum Weight
(a)	Western Himalayan	J&K, Himachal Pradesh, Punjab Hills (Area South and west of the Inter State Border between Himachal Pradesh and Punjab and North and East of Road of Mukerian Hoshiarpur, Garh Shankar, Ropar and Chandigarh), Uttarakhand	158 Cms	Minimum 75 Cm (Unexpanded) and expansion by 5 Cm	47.5 Kgs
(b)	Eastern Himalayan Region	Sikkim, Nagaland, Arunachal Pradesh, Manipur, Tripura, Mizoram, Meghalaya, Assam & Hill region of West Bengal (Darjeeling and Kalimpong districts and Andaman Nicobar)	152 Cms	Minimum 75 Cm (Unexpanded) and expansion by 5 Cm	47.5 Kgs
(c)	West Plain Region	Punjab, Haryana, Chandigarh, Delhi, Rajasthan, Western UP	162.5 Cms	Minimum 76 Cm (Unexpanded) and expansion by 5 Cm	50 Kgs
(d)	Eastern Plain	Eastern UP, Bihar, West Bengal & Orissa and Jharkhand	157 Cms	Minimum 75 Cm (Unexpanded) and expansion by 5 Cm	50 Kgs
(e)	Central Region	Gujrat, Maharastra and Madhya Pradesh, Dadar Nagar & Haveli, Daman & Diu and Chaattisgarh	157 Cms	Minimum 75 Cm (Unexpanded) and expansion by 5 Cm	50 Kgs
(f)	Southern Region	Andhra Pradesh, Karnataka, Tamil Nadu, Kerala, Goa and Pondicherry, Telangana	157 Cms	Minimum 75 Cm (Unexpanded) and expansion by 5 Cm	50 kgs
(g)	Relaxation to sons of serving/ Ex-GREF personnel)		2 Cms	1 Cm	2 Kgs
(h)	Relaxation in DD cases (this will be applicable to own son adopted son and not any other relative		2 Cms	1 Cm	2 Kgs
(j)	Gorkhas (Indian Domicile)		152 Cms	Minimum 75 Cm (Unexpanded) and expansion by 5 Cm	47.5 Kgs

MEDICAL STANDARDS OF RECRUITMENTS FOR GREF

General

1 Every recruit must be sufficiently intelligent, free from nervous instability and be in possession of sound health. He shall have no constitutional or acquired disability as may in the opinion of Recruiting Medical Officer render him unfit for duties, in the organization, particularly at high altitude and hard areas.

General examination

It is absolutely essential in all cases to have the recruits stripped while carrying out medical examination. Due regard be paid to privacy and decency. It is not sufficient that the clothing be only partially removed. An underwear may be permitted except when the examination is being carried out involving private parts. Every part of the body must be examined and if a recruit does not submit to this even after persuasion, he will be rejected. Permanent body tattoos are only permitted on inner face of forearms i.e. from inside of elbow to the wrist and on the reverse side of palm/ back (dorsal) side of hand. However, in case of an obscene, vulgar or objectionable tattoo, the DDG (Pers)/ Comdt GREF Centre will take a final decision on acceptability/ unacceptability of such tattoo. The decision of the DDG (Pers)/ Comdt GREF Centre in the matter shall be final. Permanent body tattoos on any other part of the body is not acceptable and candidate will be barred from further screening.

Responsibility for physical fitness

The examining Medical Board is responsible for checking the physical fitness of the recruits, the likelihood of their physical development and for their identification marks. The Board will also enter on the enrolment form any minor defects insufficient to cause rejection. In the case of fit recruits the Board will make the necessary entry on the enrolment form, the wording used being Fit-category GREF-I and return it to the enrolling officer. The signature of the examining Medical Officer on the enrolment form will be accepted as equivalent to a declaration that he has personally examined the recruit in question according to the existing instructions and that the recruit has no blemish or defect except those noted on the enrolment form. Remarks relating to any defects in the recruit will be endorsed in the medical examiner's own handwriting. When there are no distinctive marks this must be stated.

Medical History Sheet GREF/ MED/ 2A

This is a document of great importance which is linked to claims for disability pension on soldier's discharge from the service Medical items in table No 1 of GREF/ MED/ 2A will be completed by the Medical Board GREF/ MED/ 2A.

- Any failure of officers concerned to give attention to the preparation and maintenance of these documents, and inaccuracy in or insufficiency of the entries therein may cause considerable delay, much expense and grave injustice to the person recruited. Medical Officers will, therefore, take every care to ensure that all necessary entries are carefully and accurately made at the time of examination.
- 6 Marks and small defects are to be noted concisely and clearly in the space allotted for the purpose in order to facilitate the men's future identification. Special attention should always be drawn to any defects which may influence decision on possible claims for pension in the future.

RULES GOVERNING MEDICAL INSPECTION OF CANDIDATES IN GREF Principal points in Medical Examination of Candidates

- 7 Principle points in medical examination of recruits. In the inspection of candidates the principle points to be attended to, are as under:
 - a) That the candidate is sufficiently intelligent (Any defect may be observed during the examination).
 - b) That his bearing is good and that there is no sign of disease of ear, nose and throat.
 - c) That his vision with either eye is up to the required standard, his eyes are bright, clear and with no obvious squint, nystagmus or other abnormality. Movement of eye balls should be full and free in all directions.
 - d) That his speech is without impediment.
 - e) That he has no glandular swelling.
 - f) That his chest is well formed, and that his heart and lungs are sound.
 - g) That his limbs are well formed, and fully developed.
 - h) That there is free and perfect action of all the joints.
 - i) That his feet and toes are well formed.
 - j) That he has no congenital malformation or defects.
 - k) That he does not bear traces of previous acute or chronic diseases pointing to an impaired constitution.
 - I) That he possesses sufficient number of sound teeth for efficient mastication.
 - m) That he has no disease of the genitor-urinary tract.

Ground for permanent rejection

- 8 Candidates presenting with following conditions will be rejected:
 - a) General impaired Constitution with frail health (BMI less than 18).
 - b) Abnormal Gait.
 - c) Abnormal Posture (Kyphosis, Scoliosis or Lordosis).
 - d) Gross physical deformity of chest, (pigeon chest, Barrel shaped chest, pectus excavatum, Harrison's sulcus & joints (Knock knee bow, leg, flat feet etc).
 - e) Defective Intelligence.
 - f) Deafness.
 - g) Pronounced Stammering.
 - h) Mental and nervous instability includes coarse Digital Tremors, palmar & plantar Hyperhydrosis and Tachycardia (Pulse rate more than 100/ min).
 - j) Sexually Transmitted diseases.
 - k) Any degree of squint or nystagmus.
 - I) Cases of colour blindness.
 - m) Corneal Opacities effecting binocular vision of the individual.
 - n) Perforation of Tympanic membrane.
 - o) Chronic Suppurative Otitis Media/ Mastoiditis.
 - p) Loss or decay of teeth to such an extent as to interfere with proper mastication. Dental points less than 14.
 - q) Chronic Lung Infection.
 - r) Endocranial Disorder.
 - s) Cardiac murmur or Hypertension (BP>140/95 mm Hg).
 - t) Gross degree myopia & cases of corneal surgery for refractive error.
 - u) Healed fracture with implants or ankylosis of effected joints due to fracture.
 - v) Any amputation effecting in the working efficiency of individual.

w) Permanent body tattoos are only permitted on inner face of forearms i.e. from inside of elbow to the wrist and on the reverse side of palm/ back (dorsal) side of hand. However, in case of an obscene, vulgar or objectionable tattoo, the DDG (Pers)/ Comdt GREF Centre will take a final decision on acceptability/ unacceptability of such tattoo. The decision of the DDG (Pers)/ Comdt GREF Centre in the matter shall be final. Permanent body tattoos on any other part of the body is not acceptable and candidate will be barred from further screening.

Grounds for Temporary Rejection:

- 9 Following are the grounds for temporary rejection:
 - (a) Pterygium
 - (b) Conjunctivitis
 - (c) Defective Vision (corrected with glasses, 6/6 in both eyes is acceptable)
 - (d) Trachoma Grade III
 - (e) Deviated Nasal Septum
 - (f) Chronic Tonsillitis
 - (g) Few decayed teeth (corrected with denture is acceptable)
 - (h) Pityriasis Versicolor
 - (j) Tinea Cruis, Scabies, Eczema etc
 - (k) Planter Warts
 - (I) Hydrocele, Hernia, Vericocele
 - (m) Vericose Veins
 - (n) Phimosis, Fissure in ano or abscess, Haemorrohoids
 - (o) Acute infection of respiratory tract
 - (p) Gynaecomastia
 - (q) Anaemia
 - (r) Hepatospleenomegaly
 - (s) BMI above 30 (Should bring down BMI to below 30 within 3 months will be accepted)

Acceptance of Candidates with Minor Defects:

- 10 Candidates presenting with mild degree of following defects may be accepted:
 - (a) Mild Flat Feet but flexible and Hammer toes.
 - (b) Mild knock knee (Inter malleolic distance 5 cms).
 - (c) Mild Bow Legs (Inter condylar distance 7 cms).
 - (d) Mild Degree of Sephena varix.
 - (e) Slight degree of Vericocele, or undescended testis (Not arrested in inguinal region).
 - (f) Healed perforation of Ear drums.
 - (g) Healed Trachoma without residual gross deformity.
 - (h) Slight stammering.
 - (j) Mild hyperhydrosis.
 - (k) Mild degree phimosis or Hypospodiasis.
 - (I) Perforation in the ear drums which has healed and closed leaving a firm healthy scar (Tympanoplasty done).
 - (m) Slight curvature of leg.
 - (n) Slight hammer toe.
 - (o) Mild degree of varices.
 - (p) Tenea versicolor (Only after treatment).
 - (q) DNS (Acceptable after treatment).
 - (r) Any other slight defects which in the opinion of Recruiting Medical Officer will not

interfere with work efficiency of the candidate in future provided the candidate conforms to the prescribed standards in all respects. The mild problem if any must be recorded in the documents.

An undertaking from the candidate be taken that there is no past history of seizure, leprosy, diabetes, tuberculosis or HIV infection. All cases of past healed operations carried out will be noted in medical case sheet.

The foregoing relaxation is permissible only in the case of recruit who conform to the prescribed standards of measurements.

Time limit for clearance of any unfit by Higher Reviewing Authority

- 11 (a) All cases of **permanent unfit** may be reviewed by higher medical authority and should declare him unfit/ fit within 01 month duration since the time of unfit declaration.
 - (b) All <u>temporary unfit</u> cases may be reviewed by higher medical authority within 3 months (90 days) to clear him fit/ unfit since the time of unfit declaration.
- In all cases where a recruit is suffering from a minor defect is accepted, the Medical Board will fully satisfy themselves that the defect will not, in any way, affect the efficiency of the recruit as a subordinate serving in BRO.
- Whenever recruits who are suffering from minor defects as mentioned in Para 10 above are accepted, the defects will invariably be noted in the medical history sheet GREF/ MED/ 2A.
- Recruits suffering from minor health problems of ordinary nature such as simple sores, shoe bite, common cold coughs and similar other minor ailments which usually last only a few days may be accepted. Medical Board before accepting such a recruit must fully satisfy themselves that the disease is likely to be cured in a few days without indoor treatment. Normally, unless the recruit is required to meet some urgent demand which cannot be met readily, he should be advised to get himself treated and come again. If recruit who is suffering from a minor disease of any nature is accepted, no entry need to be made of the disease in the medical history sheet GREF/ MED/ 2A.
- The decision of the Medical Board in all cases of rejection due to not meeting the required medical standards will be final.

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