

Government of India
Ministry of Home Affairs
Directorate General Border Security Force
(Personnel Directorate: Recruitment Section)

/// ONLINE DETAILED ADVERTISEMENT ///

Online applications are invited from eligible and interested Male and Female Indian citizens for filling up the under mentioned vacancies in Group-'B' & 'C' combatised (Non Gazetted-Non Ministerial) posts in the Border Security Force, SMT WKSP through **Online Mode only** for vacancy year 2023 :-

GROUP 'B' POST

Name of posts	Category wise Vacancy						Age limit	Pay Scale	Educational Qualification
	UR	EWS	OBC	SC	ST	TOTAL			
SI (Vehicle Mechanic)	05	-	01	-	-	06	30 years	Pay matrix level-6 (Rs.35,400-1,12,400/-) as per 7 th CPC	Minimum three years' Diploma in Auto Mobile Engineering or Mechanical Engineering or Auto Electrical Engineering from an Institute recognized by Government.
SI (Auto Electrician)	01	-	-	01	-	02			
SI (Store Keeper)	01	-	-	-	-	01			
Total Vacancy	07	-	01	01	-	09			

GROUP 'C' POST

Name of posts	Category wise Vacancy						Age limit	Pay Scale	Educational Qualification
	UR	EWS	OBC	SC	ST	TOTAL			
Const (OTRP)	01	-	-	01	-	02	18 and 25 years	Pay Matrix level-3 (Rs.21,700-69,100/-) as per 7 th CPC.	(i) Matriculation or 10 th Class pass from a recognized Board or Institution and (a) Industrial Training Institute certificate in respective trade; or (b) Three years work experience in respective trade from a reputed firm.
Const (SKT)	05 (including 01 vac of female)	01	-	01	-	07			
Const (Fitter)	-	01	-	-	-	01			
Const (Auto Elect)	02 (including 01 vac of female)	01	02	-	-	05			
Const (Veh Mech)	01	-	-	-	-	01			
Const (BSTS)	-	-	01	-	-	01			
Const (Welder)	02	-	-	-	-	02			
Const (Painter)	01	-	01	-	-	02			
Total Vacancy	12	03	04	02	-	21			

NOTE:-

- (a) The applications will be accepted through online mode only.
- (b) Last date for acceptance of application will be **30 days** from the date of publication of the advertisement in the Employment Newspaper.
- (c) Crucial date for determining the age limit shall be closing date for receipt of online applications.
- (d) Vacancies are subject to change (may increase or decrease). BSF reserves the right to make changes or cancel or postpone the recruitment without assigning any reason.

- (e) If women candidate not found eligible, the vacancy be filled by the respective category.
- (f) Any amendment/Notice will only be published on BSF Website. Candidates in their own interest are requested to log on to <https://rectt.bsf.gov.in> regularly for updates.

2. NATIONALITY/CITIZENSHIP :-

Candidate must be a citizen of India.

3. DISQUALIFICATION :-

No person, who has entered into or contracted a marriage with a person having a spouse living;
or who having a spouse living, has entered into or contracted a marriage with other person, shall be eligible for appointment under these rules:
Provided that the Central Government may, if satisfied that such marriage is permissible under the personal law applicable to such person and the other party to the marriage and that there are other grounds for so doing, exempt any person from the operation of this rule.

4. ELIGIBILITY CONDITIONS

(a) EDUCATION/QUALIFICATION

S/NO	POST	EDUCATIONAL QUALIFICATION
(i)	SI(TECHNICAL) (Group-B Post)	Minimum three years' Diploma in Auto Mobile Engineering or Mechanical Engineering or Auto Electrical Engineering from an Institute recognized by Government.
(ii)	CONSTABLE (TECHNICAL) (Group-C Post)	(i) Matriculation or 10th Class pass from a recognized Board or Institution and (a) Industrial Training Institute certificate in respective trade; or (b) Three years work experience in respective trade from a reputed firm.

(b) AGE LIMIT AND RELAXATION

S/NO	POST	AGE LIMIT
(i)	SI(TECHNICAL) (Group-B Post)	30 years (Relaxable for Government servants upto 5 Years in accordance with the instructions or orders issued by the Central Government)
(ii)	CONSTABLE (TECHNICAL) (Group-C Post)	Between 18 and 25 years (Relaxable for departmental candidates upto 40 years in accordance with the instructions or orders issued by the Central Government).

Note- Crucial date for determine the age limit in each case shall be closing date on receipt of online application.

(c) **RELAXATIONS OF UPPER AGE LIMIT ARE AS UNDER:-**

Age relaxation to different category of eligible candidates for obtaining age Relaxation as on the date of reckoning :-

S/No.	Category	Age Relaxation permissible beyond the upper age limit
1.	SC/ST	05 years
2.	OBC	03 years
3.	Children & dependent family of those killed in Gujarat Riots of the year 2002.	UR : 05 Years OBC : 08 Years SC/ST : 10 Years
4.	<u>For Group-'B' posts only</u> Government Servants who have rendered not less than 3 years regular and continue service as on closing date.	UR - 05 years OBC - 08 (5+3) years SC/ST -10 (5+5) years
5.	<u>For Group-'C' posts only</u> Departmental candidates (BSF Personnel only) who have rendered not less than 3 years regular and continue service as on closing date.	UR - upto 40 years of age SC/ST -upto 45 years of age
6	<u>For Group-'C' posts only</u> Widow/Divorced Women judicially separated and who are not remarried	UR : 35 Years OBC : 38 Years SC/ST : 40 Years

NOTE

- (i) Age of candidates will be determined on the basis of Date of Birth as recorded in their matriculation certificates.
- (ii) Prescribed format of certificate for reserved categories are attached as per **Annexure – 'B'** for SC/ST, **Annexure – 'B-1'** for EWS and **Annexure – 'C' & C1** for OBC category.
- (iii) Relaxation of respective category will only be given in those cases where vacancies are available in the respective category for the applied post. If vacancies are not available in respective reserved category, candidates applied will be treated as 'Un-Reserved' candidate, if he/she fulfil the eligibility conditions applicable to Un-reserved candidate. In that case, if found later that candidate does not fulfil the criteria of General category; candidature will be rejected at any stage of the examination.
- (iv) 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 applications.

- (v) A person seeking appointment on the basis of reservation to EWS must ensure that he/she possesses the "INCOME & ASSET CERTIFICATE" issued by the Competent Authority as per the specimen attached at Annexure- B-1 and the same should be valid as on the crucial date.
- (vi) Every candidate seeking reservation as OBC is required to submit a certificate in prescribed format (Annexure-'C') regarding his/her OBC status and non-creamy layer status issued by the Competent Authority. Candidates claiming OBC status may ensure that he/she possess caste/community certificate and does not fall in creamy layer on the crucial date i.e. closing date for receipt of application. (In order to ensure it, a declaration in addition to the certificate issued by the Competent Authority will also be obtained from the candidates seeking reservation as OBC in the format attached as Annexure-'C-1').

(c) PHYSICAL STANDARDS FOR THE POST OF SUB-INSPR(TECH) & CONSTABLE(TECH)

Measurement	Male	Female
Height	165 Cms.	157Cms.
Chest	75 Cms. (Un-expanded) 80 Cms. (Expanded)	Not applicable
Weight	Proportionate to height and age as per Medical Standards.	Proportionate to height and age as per Medical Standards.

Note for male :-

- (i) Minimum height of candidates falling in the categories of Garhwalis, Kumaonese, Gorkhas, Dogras, Marathas and candidates belonging to the states of Sikkim, Nagaland, Arunachal Pradesh, Manipur, Tripura, Mizoram, Meghalaya, Assam, Himachal Pradesh, State of Jammu and Kashmir will be 160 Cms.
- (ii) The Minimum height for all candidates belonging to Scheduled Tribes 162.5 Cms.
- (iii) The Minimum Chest of male candidates falling in the categories of Gharwalies, Kumaonese, Gorkhas, Dogras, Marathas and candidates belonging to the states of Sikkim, Nagaland, Arunachal Pradesh, Manipur, Tripura, Mizoram, Meghalaya, Assam, Himachal Pradesh, State of Jammu and Kashmir will be 73 Cms (Minimum 5 Cms expansion).
- (iv) The minimum chest for all male candidates belonging to Schedule Tribes will be 71 Cms (Minimum 5 Cms expansion).

Note for female :-

Relaxation: Minimum height of candidates falling in the categories of Garhwales, Kumaonese, Gorkhas, Dogras, Marathas and candidates belonging to the states of Sikkim, Nagaland, Arunachal Pradesh,

Manipur, Tripura, Mizoram, Meghalaya, Assam, Himachal Pradesh, State of Jammu and Kashmir - 155 Cms

Schedule Tribes - 150 Cms

Chest - Not applicable

Weight - Corresponding to height as per Medical Standard.

NOTE :-

Relaxation in height and chest to the eligible candidates will be permissible only on production of certificate issued by District Authorities where they ordinarily reside(s). Post wise prescribed formats with showing relaxation where applicable is enclosed herewith as per **Annexure – 'D', 'D'-1 & 'D'-2.**

(d) **MEDICAL STANDARDS FOR THE POST OF SUB INSPR(TECH) & CONSTABLE (TECH)**

The Candidates should having following medical standards :-

(i) **Eye Sight :-**

Visual Acuity (Near Vision)		Uncorrected Visual acuity (Distant Vision)		Refraction	Remarks
Better eye	Worse eye	Better eye	Worse eye		
N6	N9	6/6	6/9	Visual correction of any kind is not permitted even by the glasses	In right handed person, the right eye is better eye and vice versa. Binocular vision is required

(ii) The candidates must not have knock knees, flat foot, varicose vein or squint in eyes and they should possess CP III by ISIHARA book. The candidates will be tested for color vision by ISIHARA's test as well as Edrich-Green Lantern Test.

(iii) Candidates must be in good mental and bodily health and free from any physical defect or deformity likely to interfere with the efficient performance of the duties.

(iii) The Medical Examination will be conducted as per revised uniform guidelines of Medical Examination for recruitment in the CAPFs & AR as circulated by MHA vide their Office memorandum No.A-VI-1/2014-Rectt(SSB) dated 20th May 2015, Revised uniform guidelines for Review Medical Examination in CAPFs & AR for GO's & NGO's circulated by MHA (Police-II Division) vide their office Memorandum No.E.32012/ADG(Med)/DME& RME/DA-1/2020/1166 dated 31 May'2021 and subsequent amendment thereof.

TATTOO :-

Content: - Being a secular country, the religious sentiments of our countrymen are to be respected and thus, tattoos depicting religious symbol or figures and the name, as followed in Indian Army are permitted.

Location: - Tattoos marked on traditional sites of the body like inner aspect of forearm but only left forearm, being non saluting limb or dorsum of the hands are to be allowed.

Size: - Size must be less than $\frac{1}{4}$ of the particular part (Elbow or hand) of the body.

- (i) In case of candidate has undergone removal of tattoo (s) prior to appearing for recruitment process and the same has faded substantially, this will be treated as a "scar" and not a tattoo. Such candidate will be permitted to undergo the entire selection process with approval of Presiding officer of the recruitment Board. Further, the scar resulting due to removal of tattoo will be reviewed by the Medical Board of officers during detailed Medical examination.
- (ii) The medical examination will be done as per the parameters issued by MHA in Medical Manual dated 20/05/2015, Revised uniform guidelines for Review Medical Examination circulated by MHA (Police-II Division) vide their office Memorandum No.1166 dated 31 May'2021 and subsequent amendment thereof.
- (iii) On completion of Initial Medical Examination(IME), if a candidate is declared Medically Unfit during initial medical examination, he/she will be allowed to undergo Review Medical Examination (RME), provided they give their written consent by appending their signature on the intimation indicating reasons for being unfit, as per **Annexure- E'**. Review Medical Examination (RME) of candidates will be conducted in continuation of Initial Medical Examination preferably on the next day of IME. The consent for RME as per **Annexure-'E'** duly signed by the candidate should be submitted within 24 hrs after he/she is informed of his/her unfitness in IME. Review Medical Examination (RME) is conducted to rule out the possibility of an **Error of Judgement** in the decision of initial Medical Board. Decision of Review Medical board will be final. No appeal/ representation against the decision of Review Medical board will be entertained.

5. PROCESS OF CERTIFICATION AND FORMAT OF CERTIFICATES:

Candidates who wish to be considered against vacancies reserved/or seek age-relaxation must submit requisite certificate issued by the Competent Authority in the prescribed format when such certificate are sought by the concerned selection board at the time of documentation. Otherwise, their claim for EWS/SC/ST/OBC/Ex-Serviceman status will not be entertained and their candidature/applications will be considered under **Un-Reserved category**. The

formats of the certificates are annexed. Certificates obtained in any other format will not be accepted.

NOTE

- (i) Candidates are warned that they will be permanently debarred from the examination conducted by the BSF in case they fraudulently claim EWS/SC/ST/OBC /Ex-serviceman status.
- (ii) Candidates should note that the Date of Birth as recorded in the Matriculation/Secondary Examination Certificate or an equivalent certificate available on the closing date of submission of application will be accepted for determining the age and no subsequent request for its change will be considered or granted.

6. SELECTION PROCEDURE

POST OF SUB-INSPECTOR (TECHNICAL) AND CONSTABLE (TECHNICAL)

The selection procedure for the post of Sub-Inspector (Technical) and Constable (Technical) will be as under:-

FIRST PHASE

(a) WRITTEN EXAMINATION FOR THE POST OF SUB-INSPECTOR (TECHNICAL)

1st phase of examination i.e Written Exam will be conducted at the Examination Centres. There will be one composite paper for two hours duration. Question papers will be Objective Type with multiple choices on OMR based answer sheet and shall be consisting of the following subjects:-

	Subjects	Nos of Questions	Marks	Duration
Part-A	General English	20 Questions	20 Marks	02 Hrs
Part-B	General awareness	20 Questions	20 Marks	
Part-C	Technical Subjects	60 Questions	60 Marks	
	Total	100 Questions	100 marks	

Syllabus of Technical Subject will be following topics :-

(i) SYLLABUS FOR SI (VEHICLE MECHANIC)

TOPIC	CONTENT
Engine	Four stroke and two stroke petrol/diesel engine-working principle, construction and operation. Scavenging, comparison of four stroke and two stroke engine operation, firing order and its significance. Port Timing & Valve Timing diagram of petrol/diesel engines. Comparison of two & four

	stroke engine.
FUEL SUPPLY SYSTEM	<p>SI ENGINE FUEL SUPPLY SYSTEM: Properties of Ideal gasoline, Fuel feed systems; mechanical and electrical fuel feed pumps. Carburetor Function & working principle, starting, idling, acceleration and normal circuits of carburetors. Study of Solex, S.U, Amal Carburetors. Concept of Petrol injection, MPFI.</p> <p>CI ENGINE FUEL SUPPLY SYSTEM : Requirements, air blast and mechanical injection, functions of various components, study of jerk pump its construction & working, fuel quantity variation by pump plunger, rotary fuel injection pump its construction and working, common rail system, fuel Injector, its function. Construction & working of injector assembly. Types of injection nozzles. Need of Governor, Construction & working of Mechanical and pneumatic governors. Electronic control module and sensors for engine control.</p>
COMBUSTION AND COMBUSTION CHAMBERS	<p>COMBUSTION AND COMBUSTION CHAMBERS FOR SI ENGINE: Combustion in SI engine; stages of combustion, flame propagation, rate of pressure rise, delay period, abnormal combustion, Pre-ignition, knocking, Octane number, effect of engine variables on knocking, Fuel additives. Combustion chambers for petrol engines & its different types.</p> <p>COMBUSTION AND COMBUSTION CHAMBERS FOR CI ENGINE stages of combustion, flame propagation, rate of pressure rise, delay period, abnormal combustion, Diesel knock, Cetane number, effect of engine variables on knocking, Fuel additives. Combustion chambers for diesel engines & its different types.</p>
SUPERCHARGER TURBOCHARGER AND ENGINE PERFORMANCE	<p>Necessity, principle, construction & working of centrifugal, turbo & blower type supercharger. Concept of turbo charging Merits of Supercharged & Turbocharged Engines. I.H.P, B.H.P, F.H.P, Mechanical Efficiency, indicated & Brake thermal efficiency, Specific fuel consumption, Volumetric efficiency, Relative Efficiency, Heat Balance, Morse Test, Simple numerical problems based on use of these formulae, Engine performance Curves, variables affecting engine performance.</p>

COOLING AND LUBRICATION SYSTEM	Need for cooling system, Study of cooling system components, Types of cooling system: air cooling system, liquid cooling system, and pressurized cooling system, antifreeze mixture. Need of Lubrication system, properties of lubricating oil, additives, Types of lubrication system: pressure lubrication system, dry & wet sump lubrication system.
CHASSIS AND TRANSMISSION	Types of chassis layout with reference to power plant locations and drives. Need of transmission system, Features of transmission components CLUTCH: - Requirements of clutches Principle of friction clutch - Types: Cone clutch, Single-plate clutch, Diaphragm spring clutch, Multiplate clutch, Centrifugal clutches, Electromagnetic clutch. Need of Fluid coupling – Principle, construction & working of fluid coupling. GEAR BOX: - Requirements of Gear boxes, Different types of gear boxes, construction & working of Sliding mesh, Constant mesh & synchromesh gear box. Transfer case assembly. Introduction to Torque converter.
DRIVE LINE AND DIFFERENTIAL ASSEMBLY	Need of universal joints, fluctuations in angular speed, construction & working of constant velocity universal joints, Need of propeller shaft, its construction & whirling speed. Need of rear axle & its types, construction & working of full floating, three quarter floating and semi floating rear axles Differential-Its need, purpose & Principles, Theory of sun & Planet gears, Construction & working details of differential Unit, Limitation of differential, Non-slip differential, differential locks, single main gear & dual main gear type.
FRONT AXLE AND STEERING SYSTEM	Types of front axles, construction details, materials, front wheel geometry: castor, camber, king pin inclination, toe-in. conditions for true rolling motion of wheels during steering, steering geometry, Ackermann and Davis steering system, constructional details of steering linkages, different types of steering gear boxes, steering linkages and layouts, turning radius, wheel wobble, collapsible steering, power assisted steering. centre point steering
SUSPENSION SYSTEM	Various elements of suspension system, sprung and unsprung masses and their effect on human comfort, principle and construction of helical, coil, leaf and volute springs, spring deflection, spring stiffness, energy stored, shackles, principle and construction of torsion bar spring, stabilizers. Principle of shock absorbers, construction and working of telescopic shock absorber. Study and

	comparison of different types of front axle suspension system. Effect of driving, braking, side thrust & torque reaction. Hotchkiss drive & Torque tube drive.
BRAKING SYSTEM	Classification of brakes, service & parking brake, study of car brake system with study of components, constructional details of disc & drum brakes, leading & trailing shoes, theory of braking, concept of dual brake system, brake lining material, construction & working of hydraulic braking system, brake fluid characteristics, master cylinder, wheel cylinder, vacuum assisted servo system, air brake system, exhaust brakes, antilock braking, purpose of retarders, Eddy current retarders, permanent magnet retarders, hydraulic retarders.
WHEELS & TYRES	Types of wheels, load distribution on front & Rear wheels, construction of wheel assembly. Spoked wheel, disc wheel & alloy wheel. Wheel balancing. Construction & material of solid, tubed & tubeless tyres. Types of tyre wear and their causes. Hot & cold retreading. Tyre rotation, Tyre specification and aspect ratio.
VEHICLE LEGISLATION	Procedure of licensing, qualification of drivers and learners licensing, driving test validity period, renewal of driving license licensing of heavy commercial and special vehicle drivers. Various rules and formats for licensing, driving schools and establishments. REGISTRATION OF MOTOR VEHICLES- Need of Registrations, meaning of registrations, registering authorities, conditions for exemption from registration, Trade certificate, renewal of trade certificate period of validity, trade registrations marks and number, form and manner of display of registration marks on motor vehicles. Size of letters and numerals, transfer of ownership VEHICLE INSURANCE- Need of insurance, meaning of insurance vehicle insurance, scope and limitation of vehicle insurance, insurance governing authority. Insurance companies Procedure for claim settlement, insurance surveyors and their role in claim settlement, rate of compensation on various types of vehicle component, damages, vehicle insurance norms issued by IRDA, Rules and formats meaning of third party insurance, first, Second and Third parties, Procedure and formats for T.P.I. Insurance certificate and cover notes, authorized

	insurants, claims procedure for settlement
EXHAUST EMISSION CONTROL	Need of vapor recovery systems such as fuel vapor return line, charcoal canister, vapor separation from fuel, sealed fuel tanks. Need of removing blowby gases, Open & Closed crankcase ventilation system, function of PCV valve, Construction & working of PCV valve. Composition of exhaust gases, Pollutants in exhaust. Exhaust emission control methods – Air injection, catalytic converter - two way & three way converter, catalysts, Exhaust gas recirculation, function of EGR valve, BS-4 and BS-6, DPF and SCR Technology.
AUTO ELECTRICAL AND ELECTRONICS	Need of Auto electrical system & its components, Principle and construction of lead acid battery. Requirements of starting system, Principle, construction & working of starting motor, Characteristics of starter motor, Need of starting drive units, bendix, folothru & over running Clutch Drives. construction & working principle of D.C generator & A.C generator (alternator), Armature reaction, cut-out relay, voltage & current regulator systems. Need of ignition system, construction & working of ignition coil, distributor, spark plug, condenser, Types of ignition Systems - battery & magneto ignition system, need of spark advance, construction & working of vacuum & centrifugal spark advance, ECU and sensors.

(ii) **SYLLABUS FOR SI (AUTO ELECTRICIAN)**

TOPIC	CONTENT
ENGINE	Four stroke and two stroke petrol/diesel engine-working principle, construction and operation. Scavenging, comparison of four stroke and two stroke engine operation, firing order and its significance. Port Timing & Valve Timing diagram of petrol/diesel engines. Comparison of two & four stroke engine.
FUEL SUPPLY SYSTEM	SI ENGINE FUEL SUPPLY SYSTEM: Properties of Ideal gasoline, Fuel feed systems; mechanical and electrical fuel feed pumps. Carburetor Function & working principle, starting, idling, acceleration and normal circuits of carburetors. Study of Solex, S.U, Amal Carl Carburetors. Concept of Petrol injection, MPFI. CI ENGINE FUEL SUPPLY SYSTEM: Requirements, air blast and mechanical injection, functions of various components, study of jerk pump its construction & working, fuel quantity

	variation by pump plunger, rotary fuel injection pump its construction and working, common rail system, fuel Injector, its function. Construction & working of injector assembly. Types of injection nozzles. Need of Governor, Construction & working of Mechanical and pneumatic governors. Electronic control module and sensors for engine control.
SUPERCHARGER TURBOCHARGER AND ENGINE PERFORMANCE	Necessity, principle, construction & working of centrifugal, turbo & blower type supercharger. Concept of turbo charging Merits of Supercharged & Turbocharged Engines. I.H.P, B.H.P, F.H.P, Mechanical Efficiency, indicated & Brake thermal efficiency, Specific fuel consumption, Volumetric efficiency, Relative Efficiency, Heat Balance, Morse Test, Simple numerical problems based on use of these formulae, Engine performance Curves, variables affecting engine performance.
FRONT AXLE AND STEERING SYSTEM	Types of front axles, construction details, materials, front wheel geometry: castor, camber, king pin inclination, toe-in. conditions for true rolling motion of wheels during steering, steering geometry, Ackermann and Devis steering system, constructional details of steering linkages, different types of steering gear boxes, steering linkages and layouts, turning radius, wheel wobble, collapsible steering, power assisted steering. center point steering.
EXHAUST EMISSION CONTROL	Need of vapor recovery systems such as fuel vapor return line, charcoal canister, vapor separation from fuel, sealed fuel tanks. Need of removing blow by gases, Open & Closed crankcase ventilation system, function of PCV valve, Construction & working of PCV valve. Composition of exhaust gases, Pollutants in exhaust. Exhaust emission control methods – Air injection, catalytic converter - two way & three way converter, catalysts, Exhaust gas recirculation, function of EGR valve, BS-4 and BS-6, DPF and SCR Technology.
BATTERIES AND AUXILIARY SYSTEMS	Principle and construction of lead acid battery, characteristics of battery, rating, capacity and efficiency of batteries, various tests on batteries, maintenance and charging methods. Lighting system: details of head light, tail light and side light, LED lighting system, head light dazzling and preventive methods. Speedometer, Horn, wiper system.

	Different types of fuel gauges, oil pressure gauges & engine temperature gauges.
STARTING SYSTEM	Requirements of starting system, Principle, construction & working of starting motor, Characteristics of starter motor, Need of starting drive units, bendix, follow thru & over running Clutch Drives. Different types of starter switches.
CHARGING SYSTEM	Charging system, construction & working principle of D.C generator & A.C generator (alternator), Armature reaction, cut-out relay, voltage & current regulator systems. Generation of direct current, shunt generator characteristics, third brush regulation, Difference between DC generator & alternator.
IGNITION SYSTEM	Need of ignition system, construction & working of ignition coil, distributor, spark plug, condenser, Types of ignition Systems - battery & magneto ignition system, need of spark advance, construction & working of vacuum & centrifugal spark advance. Basic concept of electronic ignition system, distributor primary signal, sensor coil (magnetic pickup). Hall effect, spark advance, electronic spark control, electronic spark advanced controls, Distributor less ignition system. Ignition wiring diagram
ELECTRIC AND HYBRID VEHICLE	Study of major components of the electrical systems of electric vehicles and electric hybrid vehicles regarding purpose, location and function Theory, circuit, construction and working of electrical drive system of common electric and electric-hybrid vehicles, major components, characteristics of electric traction motor, chopper control of motor, SRM drives.

(iii) **SYLLABUS FOR SUB INSPECTOR (STORE KEEPER)**

In addition to syllabus mentioned for the post of SI (Auto Electrician), the following syllabus will also be considered for the post of SI(Store Keeper)

Topic	Content
STRENGTH OF MATERIALS	<p>a) Stress, Strain, Elasticity - Tensile, Compressive and Shear Stresses, Hooke's Law, Tensile test on M.S., Factor of Safety, Young's Modulus, Modulus of rigidity, Bulk Modulus, Poisson's Ratio, Temperature Stress, Hoop Stress, Longitudinal Stress, Strain energy, Ductility, Mobility & Plasticity.</p> <p>b) Riveted Joints- Types of joints, failure of riveted joints, efficiency of joints, rivet</p>

	<p>joints in pressure vessel, structural joint.</p> <p>c) S.F. and B.M.- Definition of beam, type of beam, types of loads, S.F. and B.M. diagrams for cantilever, simply supported and overhung beams with point loads and U.D.L., Point of Contraflexure.</p> <p>d) Bending Stress-Assumptions in simple bending, Moment of resistance, Section modulus, Flinched beam, difference between neutral axis and neutral plane.</p> <p>e) Torsion of circular shafts (solid and hollow)-Torque equation, power transmitted, Flange couplings.</p> <p>f) Closed Coil helical spring-Stress in spring, deflection, stiffness of springs, springs in series and parallel.</p> <p>g) Deflection of beam-Cantilever, simply supported and overhung beams with point load and UDL, superposition, Macaulay's Method.</p> <p>h) Columns and Struts-Definition of Column and strut, types of columns, slenderness ratio, critical load, Euler's Formula, Rankine-Gordon's Formula (both ends fixed, one end fixed, other end hinged, both ends hinged, one end fixed, other end free-equivalent length).</p>
<p>ENGINEERING MECHANICS</p>	<p>a) Centre of gravity and moment of Inertia-C.G. of regular areas and volumes, M.I. of regular areas, Perpendicular Axis Theorem, Mass M.I. of thin cylinder.</p> <p>b) Work, Power, Energy-Definitions, Units, conversion of Units, Kinetic energy, Potential energy, Power-M.K.S. and S.I. units.</p> <p>c) Transmission of Motion and Power-Belt drive-Velocity ratio, Simple and Compound drive, Initial Tension, Centrifugal Tension, Power transmitted, Speed for maximum power, Creep in Belt, belt length, Flat belt and V-belt drive-comparison.</p> <p>d) Gear Drive-Types of gears, gear trains, types of gear trains elements of spur gear, power transmitted.</p> <p>e) Lifting Machines-Definitions, Mechanical advantage, velocity ratio, efficiency, condition for non-reversibility, velocity ratio for different types of lifting machines (simple and differential wheel and axle, differential pulley, screw jack, single purchase crab, worm and wheel).</p>

	<p>f) Friction-Definitions, Laws of friction, angle of friction, angle of repose, limiting frictions, coefficient of friction.</p>
FLUID MECHANICS AND MACHINES	<p>a) Properties of fluid, units, measurement of pressure by manometers, Total pressure and centre of pressure of immersed flat surfaces, buoyancy and floatings, types of equilibrium of floating bodies.</p> <p>b) Types of fluid flow, Types of energy, continuity equation, Bernoulli's Theorem.</p> <p>c) Measurement of fluid flow- Venturimeter, Oripicemeter, Cd, Cv and Cc of oripice, Notches (Rectangular and Vee), pilot tube.</p> <p>d) Losses in flow through pipes, Reynold's number-its significance.</p> <p>e) Reciprocating Pumps-Types, working principle of a Reciprocating Pump, Pump Work, efficiency, Slip, Power, uses of Air Vessels, separation and cavitations, are and maintenance of reciprocating pumps.</p> <p>f) Centrifugal Pump-Types, parts, pump heads, working principle, priming, selection of pumps, specific speed, work done, power, efficiency, performance, starting, care and maintenance.</p> <p>g) Vert Turbine Pump</p> <p>h) Submersible Pump.</p>
HEAT POWER	<p>a) Units of pressure, Temperature, work, power, heat first and second laws of thermodynamics, internal energy, enthalpy, entropy-unit of entropy.</p> <p>b) Difference between gas and vapour, characteristic equations of perfect gas, Universal gas constant, Specific heats at constant pressure and constant volume-their relationship, types of non-flow process for gases.</p> <p>c) I.C. Engines-Otto cycle and Diesel cycle-representation on P.V. and T.S. diagram, thermal efficiency, comparison, Dual Combustion cycle-P.V and T.S. diagram, use, parts of I.C. Engine. Working principle of petrol engine-4-stroke and 2-stroke cycle engines, simple carburettor, preignition, Detonation, Supercharging, ignition systems. Working principle of Diesel engine-4 stroke and 2-stroke cycle engines, Air injection and solid injection, super charger & Torque convertor. Scavenging, valve timing, governing of I.C. Engines, Performance of I.C. Engine-Indicator diagram, indicated power, brake</p>

	<p>power, mechanical efficiency, thermal efficiencies, efficiency ratio, specific fuel consumption. Cooling systems of I.C. engines, components of cooling system. Care and maintenance-lubrication of I.C. engines.</p> <p>d) Air compressor-Purpose of using compressors, field of application, classification, principle of working of reciprocating air compressor (single stage) and its performance, types of rotary compressors, comparison between reciprocating and rotary compressors, safety, care and maintenance.</p> <p>e) Refrigerator and Air-conditioning-Refrigerating effect, C.O.P., Properties of refrigerants, Refrigerants and pollution. Air Refrigeration-Reversed Carnof Cycle, Bell Coleman Cycle, uses. Vapour Compression Refrigeration-working principle, function of components, uses. Air-conditioning-Definition, types, factors of control.</p>
<p>MANUFACTURING PROCESS</p>	<p>a) Heat treatment of Steel-Carbon Steel and alloy steel, structural steel and tool steel. Iron carbon diagram (Phrases and temperatures of transformation), Hypo and hypereutectoid steel. Concept of heat treatment of steel and its purpose. Different heat treatment processes-Annealing, normalizing, hardening, tempering, case hardening process-Carburising, Nitriding, Cyaniding (Principle, Purpose and uses). Surface Hardening-Flame Hardening, Induction Hardening. Heat treatment of H.S.S. cutting tools (Principle & purposes). Heat treatment furnaces. Composition of different alloy.</p> <p>b) Pattern Making-Definition of pattern, pattern materials, selection of pattern material, advantages and limitations of wooden and metal patterns, pattern allowances, reasons for pattern allowances, factors controlling the allowances, types of pattern-fields of application.</p> <p>c) Moulding-Classification of moulding process, properties of moulding sand, preparation of moulding sand, moulding tools, Green sand moulding cope, drag, runner, riser, gatings, dry sand moulding,</p>

loam moulding, fit moulding, machine moulding.

- d) **Casting-Melting** of metals-furnaces required (Cupola, Tilting furnace). Casting process-sand casting, die casting, centrifugal casting, malleable casting, investment casting (process in brief and field of application). Fettling of casting, defects in castings, remedies, safety precautions in casting, testing of castings.
- e) **Welding and allied processes**-Definition of welding, classification, gas welding procedure, equipment's, application, safety, types of flames-uses, function, use and types of fluxes. Arc welding-principle, equipment's, application safety. Resistance welding-spot, butt, seam and projection. Welding-principle, equipment's, uses. Thermit welding-principle of operations and applications. Special welding techniques-TIG, MIG, Electron Beam welding. Plasma Arc welding, Electro-slag welding, laser welding-principle and application. Defects in welding, remedies. Soldering, brazing-principle, application.
- f) **Fitting** – Various operations and corresponding tools used, measuring tools, marking tools, specifications, care and maintenance of tools.
- g) **Mechanical working of metal**-Forging-types (Hand, Power, Drop and press forging-Principles of operation), tools used, forging operations, characteristics, advantages and defects of forged parts. Extrusion-definition, types, principles of operation, advantages, field of application. Rolling-principles of hot and cold rolling, field of application, types of rolling mills-uses, spinning, wire drawing-principle of operation, field of application.

6. MACHINE TOOLS:

- a) Introduction-definition, classification, basic elements and purpose of machine tools, safety in machine shop, machine tool drives-classification.
- b) Metal cutting-purpose and classification of cutting tools, cutting tool materials-comparative study, orthogonal and oblique cutting, tool life, tool wears, machinability, cutting fluids-properties, purposes and

	<p>types.</p> <p>c) Lathe and Lathe work Types, classification of Lathe Centre Lathe specification, parts, accessories, attachments, feed mechanism, feed reversing mechanism, operations-turning, facing, taper turning, thread cutting, boring, knurling etc. different types of lathe tools, tools elements, tool signature, cutting speed, feed, deep of cut.</p> <p>d) Drilling Machine Classification and specification of various types drilling machines, construction ses ad limitations of different types of drilling machines, different types of drills specifications, nomenclature of twist drills, tap drill size, different operations in drilling machines, work holding devices, tool holding devices.</p> <p>e) Shaper and Planer Classification and specification of shaper, parts of shaper-their functions, work holding devices, driving mechanism, quick return mechanism, stroke length adjustment, stroke position adjustment, feed mechanism, shaper operations, clapper box. Classification and specification of planer, different parts of planner, driving mechanism, quick return mechanism operation, comparison of shaper and planer.</p> <p>f) Milling Machine Classification, specification of milling machines names and functions of different parts of plain, vertical and universal milling machines, attachments, milling process, milling operations, milling cutter-classification, negative rake milling, safety, care and maintenance of milling machine.</p> <p>g) Gear Cutting Gear cutting by formed milling cutter, indexing simple and differential, angular indexing. Rack cutter, pinion cutter, gear hob-working principle, job tool movement.</p> <p>h) Grinding and Grinders Grinding wheel-composition, abrasives-types, properties, uses, bonds-types and uses, Grit, grade and structure of wheels, factors in selecting grinding wheel, mounting of wheels, glazing and loading, dressing, tracing and balancing of grinding wheels, care and maintenance of grinding wheels, external, internal and surface grinding, center less grinding, honing and lapping.</p>
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	<p>i) Jigs and Fixures definition, comparison, purpose, location, clamping, guide bushes.</p> <p>j) Non-traditional machining classification, advantages of non-traditional machining, EDM, ECM, USM, LBM- working principle, advantages, limitation, field of application.</p> <p>k) Numerical Control Machine Tools Meaning of NC and CNC, advantages of CNC, various components of NC and CNC machine tools and their functions.</p> <p>l) Different types of thread & their use. Maintenance of machinery & equipment's Limits & Fits. Air & Water pollution and control.</p>
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WRITTEN EXAMINATION FOR THE POST CONSTABLE (TECHNICAL)

1st phase of examination i.e Written Exam will be conducted at the Examination Centres. There will be one composite paper for two hours duration. Question papers will be Objective Type with multiple choices on OMR based answer sheet and shall be consisting of the following subjects:-

	Subjects	Nos of Questions	Marks	Duration
Part-A	Numerical Ability	25 Questions	25Marks	02 Hrs
Part-B	Reasoning	25 Questions	25Marks	
Part-C	General Awareness	25 Questions	25Marks	
Part-D	General Science	25 Questions	25Marks	
	Total	100 Questions	100 Marks	

Note:- The standards of technical subject shall be of “Industrial Training Institute (ITI) certificate level of the respective trade”.

QUALIFYING MARKS OF WRITTEN EXAM

For General/EWS/OBC category candidates - 35%
 For SC/ST category candidates - 33%

NOTE

- (i) Number of candidates to be qualified in written examination will be restricted maximum 06 times of number of vacancies or all qualified candidates whichever is less, for appearing in 2nd phase examination. There will be no re-evaluation of answer sheet.
- (ii) Candidates are not permitted to use Mobile Phone, Calculator or any other electronic/electrical device for answering any paper (Test Booklets). Candidates will not bring Mobile Phone, Calculator or any other electronic/electrical device inside the Examination premises. Possession of these items, whether in use or not, will be considered as “use of unfair means” in the Examination and appropriate action will be taken by the

- department against such candidates, as per extant policy of the department.
- (iii) The written examination will be conducted on OMR based answer sheet. If the candidate did not properly shade/wrongly shaded /did not fill/wrongly filled his/her mandatory data ovals i.e. Roll number, question booklet series code and category in the OMR Answer sheet, it will be rejected at the initial stage and the OMR answer sheet will not be further evaluated for which candidate himself will be responsible for such rejection.

SECOND PHASE EXAMINATION

Successful candidates in 1st phase Examination i.e Written Examination will appear before the selection board for Second Phase Examination (i.e. Physical Standards Test, Physical Efficiency Test, Documentation, Practical/Trade Test & Medical Examination and Re-Medical Examination) on due date at the Centre which will be communicated to them through E-Mail address/SMS for call letters through online. They will be put through subsequent stages of test. Candidates have to qualify all the stages of the Second phase examination one by one. Any candidate not qualifying in any of the events of examination will be eliminated from the process of recruitment.

(a) PHYSICAL STANDARDS TEST (PST)

Candidates qualified /shortlisted in the written examination will call for appearing the Physical Standards Test (PST). PST will be carried out by the selection board to assess the Height, Chest and Weight of the candidates according to the Physical Standards post wise mentioned at **Para- 4 (C)** above.

NOTE :-

- (i) Candidates declared disqualified in PST (i.e Height and Chest), may prefer an appeal immediately at the venue of the PST itself, if they so desire, to the Presiding Officer of Board. The appellate authority will re-measure the Physical Standards of such candidate and the decision of appellate authority in this regard will be final and no further appeal or representation in this regard shall be entertained. Weight will not be criteria for rejection at the time of PST, but that will be checked during Medical Examination.
- (ii) Candidate will be put through subsequent stages. Candidates have to qualify all the stages of the examination one by one. Any candidate not qualifying in any of the events of examination will be eliminated from the process of recruitment.

(b) PHYSICAL EFFICIENCY TEST (PET) FOR ALL POSTS

Those candidates found fit in Physical Standards Test (PST) will be put through Physical Efficiency Test (PET), which will be qualifying in nature.

S/No	Events	Male	Female
1.	Run	3.2 Km in 17 minutes	1.6 Km in 09 minutes

NOTE :

- (i) Ex-Servicemen are not required to undergo PET but PST and detailed medical Examination will be conducted.
- (ii) "A woman candidate, who as a result of tests is found to be pregnant shall be declared temporarily unfit and her appointment held in abeyance until the confinement is over. The vacancy against which a women candidate was selected should be kept reserved for her. She should be reexamined for Physical Efficiency Test (PET) six weeks after the date of confinement, subject to the production of the medical certificate of fitness from a registered medical practitioner. If she is found fit she may be appointed to the post kept reserved for and allow the benefit of seniority in accordance with the instructions of the government, as amended from time to time".

(c) **DOCUMENTATION**

Original testimonials/certificates of the candidate will be checked to confirm the eligibility of the candidates at the Centre on the date and time fixed by the department which will be communicated to the candidates through E-Mail address/SMS for call letters/admit cards through online. If candidate does not produce original documents like age, education/technical qualification, caste certificate, experience certificate etc, he/she will be disqualified.

(d) **PRACTICAL/TRADE TEST**

Candidates declared qualified in second phase examination i.e PST , PET & documentation, will be eligible/allowed to appear in the Practical/Trade Test, **which is qualifying in nature.**

(e) **MEDICAL EXAMINATION**

Candidates who will qualify in all the above stages of examination i.e. Written Examination, PST, PET, Documentation and Practical/Trade test will undergo Medical Examination(ME) which will be conducted by a Medical board to assess their fitness. If, a candidate is declared Medically Unfit during initial medical examination, he/she will be allowed to undergo Review Medical Examination (RME), provided they give their written consent by appending their signature on the intimation indicating reasons for being unfit, as per **Annexure-'E'**. Review Medical Examination (RME) of candidates will be conducted in continuation of Medical Examination preferably on the next day of ME. The consent for Re-Medical Examination as per **Annexure-'E'** duly signed by the candidate should be submitted within 24 hrs after he/she is informed of his/her unfitness in ME. Review Medical Examination (RME) is conducted to rule out the possibility of an **Error of Judgement** in the decision of Medical Board. Decision of Review Medical board will be final. No appeal/representation against the decision of Review Medical board will be entertained.

7. DRAWAL OF FINAL MERIT LIST

(a) After completion of Medical examination, post wise and category wise merit list will be drawn separately on the basis of marks secured/obtained by the candidates in the written examination. In cases of tie in marks, tie cases will be resolved in the following manner :-

- (i) Marks in written examination.
- (ii) Date of Birth, with older candidates placed higher.
- (iii) Alphabetical order in the first names of the candidates appear.

(b) The list of finally selected candidates will be published on BSF website (rectt.bsf.gov.in)

(c) No waiting list shall be maintained/kept.

8. HOW TO APPLY

The application by the candidates must be submitted through **ONLINE mode** only. No other mode for submission of application will be accepted. The facility for submission of online application will be opened on BSF website <https://rectt.bsf.gov.in> w.e.f **12.02.2023 at 00:01 AM** and will be closed on **13.03.2023 at 11:59 PM**. Procedure for submission of online application is attached with this advertisement as per **Annexure – 'A'**.

9. APPLICATION FEES AND MODE OF PAYMENT

Candidates to pay Rs.200/- (Rupees two hundred only) for Group 'B' and Rs.100/-(Rupees One hundred) only for Group-'C' Posts as examination fee plus Rs 47.20 service charges levied by Common Service Centre (CSC) through following payment modes:-

- (i) Net banking of any bank.
- (ii) Credit/Debit Card of any bank.
- (iii) Nearest authorised Common Service Centre

NOTE :-

- (i) Women candidates and candidates belonging to Scheduled Caste, Scheduled Tribes, BSF serving personnel and Ex-Servicemen are exempted from payment of examination fee.
- (ii) Payment of examination will be accepted only through Online mode
- (iii) Fee once paid will not be refunded under any circumstances.
- (iv) In case of non-receipt of examination fee from the candidates of non-exempted categories, their form will not be accepted.

10. RECRUITMENT CENTRES

The candidates can opt one of the following nearest centre for appearing in different selection stages of recruitment process:-

S/ No.	Name Recruitment Agency	Responsibility	Address of Location/Address
(i)	Jammu	Frontier HQ BSF	Frontier Headquarter BSF

		Jammu	Jammu, Paloura Camp Jammu (J&K)-181124
(ii)	Jalandhar	Ftr HQ BSF Punjab	Frontier Headquarter, BSF Punjab, Post Office- BSF Campus, Jalandhar Cantt, Punjab-144006
(iii)	Jodhpur	Ftr HQ BSF Rajasthan	Frontier Headquarter, BSF Rajasthan, Post Office-BSF Campus Mandore Road, Distt-Jodhpur, Rajasthan-342026
(iv)	Gandhinagar	Frontier HQ BSF Gujarat	Frontier Headquarter BSF Gujarat, BSF Campus Ghandhinagar, Chiloda Road Distt- Gandhinagar (Gujarat) 382042
(v)	Delhi	IG (HQ) FHQ BSF New Delhi	The Commandant 95 BN BSF, Bhondsi Campus, Near Sohna Road, Distt : Gurgaon (Haryana), Pin : 122102
(vi)	Kolkata	Frontier HQ BSF South Bengal	Frontier Headquarter BSF South Bengal, New Town, Rajarhat, Kolkata P.O- New Town Action area IIE, Plot No.2E/1, (Rajarhat),Kolkata (West Bengal) - 700161
(vii)	Guwahati	Ftr HQ BSF Guwahati	Frontier Headquarter, BSF Guwahati, Post Office -Azara, Distt- Kamrup, Guwahati, Assam-781017
(viii)	Bengaluru	Ftr HQ (Spl OPS) at Bengaluru.	Frontier Headquarter (SPL OPS) BSF at Bengaluru, Post Office-AF Station Yelahanka, Bengaluru, Karnataka-560063
(ix)	Hazaribagh	TC&S Hazaribagh	TC&S BSF Hazaribagh, Meru Camp, Hazaribagh, Jharkhand-825317
(x)	Agartala	Frontier HQ BSF Tripura	Ftr HQ BSF Tripura, PO-Salbagan, Agartala, Tripura (West)-799012
(xi)	Indore	CSWT BSF Indore	CSWT BSF Indore, Bijasan Road, BSF Campus, Indore (MP) - 452005

NOTE :-

- (i) Centre for conduct of exam may change at any stage of examination, if required, due to administrative reasons.
- (ii) The candidates applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the Selection Test. Their admission at all the stages of examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If, on verification, at any time before or after the Selection Test, it is found that

they do not fulfil any of the eligibility conditions, their candidature for the examination will be cancelled by the Department.

11. **IMPORTANT INSTRUCTIONS TO CANDIDATES**

1.	Before applying online application, Candidates are advised to go through the requirement of educational /technical qualification, age, physical standards, physical efficiency test etc and satisfy themselves that they are eligible for the post before applying. BSF reserves the right to cancel the candidature of any candidate at any stage of the selection process, if he/she is found not qualifying any of the prescribed eligibility criteria. This detailed advertisement is available on the BSF website rectt.bsf.gov.in .
2.	Candidates seeking reservation benefits for Govt. Servant/EWS/OBC/SC/ST/Ex-Serviceman must 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 format prescribed by Government of India in support of their claim at the time of application.
3.	Central Government Servants claiming age relaxation should be in possession of a certificate in the prescribed format from their office, in respect of the length of continuous service which should be not less than three years in the immediate period preceding the closing date of application.
4.	Qualifying the selection stages of recruitment process doesn't confer any right to candidates for appointment. Final selection of candidate will be made purely on merit.
5.	When application is successfully submitted, it will be accepted provisionally. Candidate may take printout of the application form for their own records. Printout of the application form is not required to be submitted to BSF recruitment centres. Candidates are also advised to fill their correct and active e-mail addresses and mobile number in the online application as correspondence may be made through E-mail/SMS.
6.	Candidate should note down and retain 'Registration-ID' and 'Password' provided to them while making 'One-Time Registration' which is required for filling online application.
7.	Only online application is to be submitted by a candidate. Therefore, the candidates are advised to exercise due diligence at the time of filling their application form. Also ensure that all the particulars of application form must be filled up as given in the matriculation certificate otherwise their candidature may be cancelled at the time of documentation or as and when it comes into the notice of the board.
8.	Candidates will fill up personal basic information through online in the application form with correct entry like name of the post, candidate's name, father's name, address, category, DOB, marital status, mobile number, E-mail address, educational/technical qualification etc and thoroughly check all the entries.

9.	Candidates to refrain themselves from filling wrong information in their application form, uploading fake photograph of any other person/celebrity/dignitaries or object or puts blank photo etc., suitable action will be taken against such defaulter candidates as per provisions under Cyber Crime IT Act 2000.
10.	Applications with illegible/blurred photographs/Signature will be rejected summarily.
11.	Candidate serving in Government/Semi Government/Public Sector undertakings should apply after obtaining NOC. No objection certificate (NOC) from their employer will be required with application form.
12.	Candidate are required to upload their all essential Educational/technical certificates as per post criteria mentioned in online detailed advertisement at Para No.4 (A) and other documents/certificate as per their category to support their claims. They should ensure they fulfil all the eligibility conditions for admission to the posts. If during scrutiny of the online application, it is found that candidate does not fulfil any of the eligibility conditions, his/her application will be rejected by the Recruitment Selection Board.
13.	All eligible candidates who apply in response to this advertisement before the closing date will be assigned Roll Numbers, if they fulfil the term and condition as given in this advertisement and found eligible for the post. Only such eligible candidates will be communicated through E-mail address/SMS for Call letters/Admit Cards through online mode for appearing in the first phase selection process. However, any candidate found not eligible at later stage in any aspect his/her candidature will be cancelled. The admit cards for all the phases of examination will be made/uploaded on the website only. Therefore candidates are advised to visit the BSF website frequently for upcoming latest information of all the phases of Examination.
14.	The recruitment board shall not be liable for any claim arising out of any injury etc. suffered during the tests. The decision of the recruitment board shall be final in all matters connected with this recruitment.
15.	The appointment will be subject to the conditions that the candidates are medically as well as physically fit. The selected candidates will have to undergo Basic Training at any of the Training Institutions of BSF. The services of those candidates who fail to complete the training successfully are liable to be terminated.
16.	Candidates belonging to the Physically Handicapped category are NOT ELIGIBLE to apply for this examination.
17.	Intimation regarding issue of Admit cards/call letters and any other important information pertaining to recruitment will be sent on the e-mail address or mobile number given by the candidates at the time of One Time Registration (OTR). BSF will not be responsible for any technical issue arisen due to inactive e-mail

	address or invalid mobile numbers. Hence, candidates are advised to ensure that active e-mail ID & mobile number must be used for OTR.
18.	Mobile, Calculator and other Electronic Gadgets are banned within the premises of the Examination Centre.
19.	The posts carries all India service liability. The selected candidates are liable to be posted anywhere in the Country as per the transfer policy of the Force.
20.	The recruitment will be done on All India Basis.
21.	Selected candidate will be governed by BSF Act and Rules.
22.	On appointment they shall be entitled for pension benefits as per the "New Restructured Defined Contributory Pension Scheme" applicable for the new entrants to the Central Government services w.e.f. 1st January, 2004.
23.	A candidate shall have the choice to appear for the recruitment at only one centre i.e the centre in which he/she opts while filling online applications. The centre he/she opts will be his/her recruitment centre. No request for change of Recruitment centre will be allowed/accepted under any circumstances. Department reserve the right to divert candidates of any centre to some other centre to take the examination on administrative grounds.
24.	The candidates will have to make their own arrangements for stay during the course of appearing in recruitment process.
25.	No TA/DA will be paid to any candidate for appearing in the recruitment process.
26.	In case, candidates are appointed in BSF and subsequently seek resignation or discharge before completion of 10 years service, they shall be required to remit an amount equal to three months pay and allowances or the cost of training imparted to them, whichever is higher as per rules to the Government.
27.	Beware of touts. No money is charged for recruitment in BSF. If you have paid or promised to pay money to any one, you are cheated and you are losing money. If anyone demands money or promises recruitment, you should immediately inform the same to the Presiding Officer (PO) of the concerned recruitment centre.
28.	Appealing in any form or bringing outside influence will automatically disqualify the candidate from appearing in recruitment.
29.	The decision of the department in all matters relating to eligibility, acceptance or rejection of the application, mode of selection, medical examination etc. will be final and binding on the candidates. No enquiry/correspondence will be entertained in this regard.
30.	The department holds the right to make any changes in the advertisement or cancel it without assigning any reason.
31.	Candidates are advised to visit BSF website rectt.bsf.gov.in from time to time to know latest updates of recruitment process.
32.	An Employee serving in the same rank and pay grade will not be entitled to apply for said posts.
33.	Candidate must carry Admit card with one photo ID proof, which is required at the Examination venue for entering in selection test, failing which they will not be allowed to appear for the same.

Besides above, candidates may carry two passport size recent colour photographs with him for necessary action as required.
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12. **ACTION AGAINST CANDIDATES FOUND GUILTY FOR MISCONDUCT**

- (i) Candidates are warned that they should not furnish any particulars that are false or suppress any material information while filling the online application form. If there is any inaccuracy or any discrepancy is found in OMR answer sheet, their OMR answer sheets will be held invalid and will not be further evaluated.
- (ii) Involvement of candidates in any of the following activities will render their candidature debarred from appearing in recruitment :-

Possession of Mobile phone, accessories or any other electronic gadget whether in use or in switch off mode.

Impersonate/procuring impersonation by any person.

Submitting fabricated documents or documents which have been tampered with.

Making statements which are incorrect or false or suppressing material information.


Resorting to any other irregular/improper/unfair means for qualifying the examination.

Misbehaving in any other manner in the examination hall with the invigilator or any of exam functionaries.

- (iii) Besides above, candidature of candidates can be cancelled at any stage of the recruitment for any other ground which the BSF considers to be sufficient cause for cancellation of candidature.

13. **COURTS JURISDICTION**

Any dispute in regard to this recruitment will be subject to Courts/Tribunals having jurisdiction over the City/Town in which the concerned centre/office of BSF is situated and candidate has opted in his/her application.


(K S Rana)
Commandant (Rectt.)
9 Feb 2023

**PROCEDURE/INSTRUCTIONS FOR REGISTRATION AND SUBMISSION OF
ONLINE APPLICATION FORMS**

- (a) Candidates must apply online by visiting BSF website <http://rectt.bsf.gov.in>. No other mode for submission of application will be accepted. Online submission of application form comprises of following steps :-
- One Time Registration (OTR). (STEP-I)**
Filling of online application. (STEP-II)
Payment of examination fee through prescribed digital modes. (STEP-III)
- (b) In STEP-I, candidates should first complete 'ONE TIME REGISTRATION' (OTR) process by filling basic information relating to them i.e Name, Mobile Number and E-mail ID. Candidates to ensure that, only active/functional mobile number and E-mail ID must be used for One Time Registration purpose.
- (c) On submission of information, candidates will receive their **Registration ID and password** on their given mobile number as well as E-mail address. **Candidates are advised to keep memorize the Registration ID and password as the same will be essential to obtain access to your profile throughout the entire recruitment process.**
- (d) After completing the registration part, candidates can view the active advertisements under '**ONLINE APPLICATION**' link by logging in using their credentials.
- (e) In STEP-II, candidates can apply for Recruitment to the posts as mentioned in the detailed advertisement at para-1 by clicking on '**APPLY HERE**' link available next to relevant advertisement.
- (f) Candidate are advised to read the instructions mentioned in recruitment notification carefully before proceeding to online submission of online application form.
- (g) After reading the instructions, candidates should carefully fill the relevant fields of online application form and upload all essential documents (as mentioned in para No.4 (B) of detailed advertisement and other documents as per their category, photograph, signature and Thumb impression. Mandatory fields are marked with * (asterisk) sign. Only the application of candidate who fulfilling eligibility conditions will be accepted by system.
- (h) Candidates will have to fill basic personal information. After filling up all relevant information, candidate can see complete preview of their application form. If candidate desires to make any correction, then press "back". **No correction in the application can be made after clicking "submit" button. Hence, candidates are advised to press "submit" button only after confirmation of correctness of filled information by him/her.**
- (j) The digital size of photographs-30 to 100 kb, signature-20 to 50 kb, qualification documents 30 to 100 kb and thumb impression should not be more than 50 KB. Photographs and signature must be clearly visible

and latest photographs must be uploaded. Format should be jpg,jpeg,png formats.

- (i) Candidates should thoroughly check all the entries filled in the online application form, before final submission. In case of any discrepancy, relevant entry may be corrected/edited. After final submission of online application, no change in any particular shall be allowed.
- (k) In STEP-III, the candidates are required to make fee payment (Candidates who are exempted from fee payment are not required to pay fee). Fee can be paid through Net banking, Debit Card, Credit Card and nearest Common Service Centre. Candidate's application will not be considered if fee is not paid for that application.
- (l) Candidates are required to follow below mentioned procedure to pay the fees :-
(After login, Application history is visible at the bottom side of page. Candidates will be able to see applications submitted by him to the advertisement with fees payment status. Applications for which fees payment status is unpaid. Pay now link will be available there. Three options will be available after clicking on pay now link.
a) Net banking b) Debit card c) Credit card.
- (m) After shown successful completion of fee payment, application will be completed. Candidates may take printout of this application for their own record. **Printout of application are not required to be sent to BSF.**
- (n) Online application submission will be completed after payment of examination fee.

Note : All eligible candidates who apply in response to this advertisement before the closing date will be assigned Roll Numbers, if they fulfil the term and condition as given in this advertisement and found eligible for the post. Only such eligible candidates will be communicated through E-mail address/SMS for Call letters/Admit Cards through online mode for appearing in the various selection process i.e Written Examination, PST/PET, Documentation, Practical/Trade Test and Medical Examination. However, any candidate found not eligible at later stage in any aspect, his/her candidature will be cancelled. The admit cards related information for all the phases of examination will be made/uploaded on the website only. Therefore candidates are advised to visit the BSF website for upcoming latest information of the all the phases of Examination.

FORM OF CASTE CERTIFICATE FOR SC/ST

This is to certify that
Shri*/Shrimati/Kumari _____ Son/Daughter of
_____ Village/Town _____
_____/District/Division* _____ of
the _____ State/Union Territory belongs to the
_____ Caste*/Tribe which is recognized as a
Schedule Caste/Tribe under:-

- * The Constitution Schedule Caste Order, 1950.
- * The Constitution Schedule Tribe Order, 1950.
- * The Constitution (Schedule Caste) (Union Territories) (Part C States) Order, 1951;
- * The Constitution (Schedule Tribes) (Union Territories) (Part C States) Order, 1951;
- [As amended by the Schedule Castes and Scheduled Tribes List (Modification Order, 1956, the Bombay Reorganization Act, 1960, the Punjab Reorganization Act, 1966, the State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganization) Act, 1971 and the Schedule Castes and Scheduled Tribes Order (Amendment) Act, 1976.]
- * The Constitution (Jammu and Kashmir)* Scheduled Caste Orders, 1956.
- * The Constitution (Andaman and Nicobar Islands)* Scheduled Tribes Order, 1959, as amended by the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 1976.
- * The Constitution (Dadra and Nagar Haveli)* Scheduled Castes Order, 1962.
- * The Constitution (Dadra and Nagar Haveli)* Scheduled Tribes Order, 1962.
- * The Constitution (Pondicherry) Scheduled Castes Order, 1964.
- * The Constitution (Uttar Pradesh) Scheduled Tribes Order, 1967.
- * The Constitution (Goa, Daman and Diu) Scheduled Castes Order, 1968.
- * The Constitution (Goa, Daman and Diu) Scheduled Tribes Order, 1968.
- * The Constitution (Nagaland) Scheduled Tribes Order, 1970.
- * The Constitution (Sikkim) Scheduled Caste Order, 1978.
- * The Constitution (Sikkim) Scheduled Tribes Order, 1978.
- * The Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989.
- * The Constitution (SC) Orders (Amendment) Act, 1990.
- * The Constitution (ST) Orders (Amendment) Ordinance Act, 1991.
- * The Constitution (ST) Orders (Amendment) Ordinance Act, 1996.
- * The Constitution (Scheduled Castes) Orders (Amendment) Act, 2002.
- * The Constitution (Scheduled Castes) Orders (Second Amendment) Act, 2002.
- * The Scheduled Castes and Scheduled Tribes 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 on the basis of the Scheduled Castes/Scheduled Tribes Certificate issued to Shri /Shrimati* _____ father/mother* _____ of _____ Shri/Shrimati/Kumari _____ of _____ Village/Town* _____ in _____ District/Division*

_____ of the State/Union Territory* _____ who belongs to the _____ Caste*/Tribe which is recognized as a Scheduled Caste/Scheduled Tribe in the State/Union Territory* issued by the _____ dated _____.

3. Shri/Shrimati/Kumari* and/or* his/her* family ordinarily reside(s) in Village/Town* _____

_____ District/Division* of the State/Union Territory* of _____.

Place _____

Signature

Date _____

Designation

(with

seal of Office)

State/Union

Territory _____

* Please delete the words, which are not applicable.

@ Please quote specific Presidential Order.

% Delete the Paragraph, which is not applicable.

Note : (a) The term 'ordinarily reside'(s) used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

The following Officers are authorized to issue caste certificate:-

1. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner /Deputy Collector/1* Class Stipendiary Magistrate/Sub Divisional Magistrate/Taluka Magistrate/ Executive Magistrate/ Extra Assistant Commissioner.
2. Chief Presidency Magistrate /Additional Chief Presidency Magistrate/ Presidency Magistrate.
3. Revenue Officer not below the rank of Tehsildar.
4. Sub-Divisional Officer of the area where the candidate and / or his family normally resides.
5. Certificate issued by Gazetted Officers of the Central or of a State Government countersigned by the District Magistrate concerned.
6. Administrators /Secretary to Administrator (Laccadive, Minicoy and Amindivi Island)

Government of _____
(Name & Address of the authority issuing the certificate)

INCOME & ASSET CERTIFICATE TO BE PRODUCED BY
ECONOMICALLY WEAKER SECTIONS (EWS)

Certificate No. _____ Dated _____

VALID FOR THE YEAR _____

This _____ is to certify that Shri/Smt/
Kumari _____ Son/daughter/wife
of _____ permanent residence of _____ village
street _____ Post _____ office _____
District _____ in the State/Union Territory _____ Pin
Code _____ Whose photograph is attested below belongs to
Economically Weaker Section, since the gross annual income* of
his/her ___ family** is below Rs.8 Lakh (Rupees Eight Lakh only) for the
financial year _____. His/her family does not own or possess any of the
following assets ***

- I. 5 acres of agriculture land and above;
- II. Residential flat of 1000 sq. ft. and above ;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as Scheduled caste, Scheduled Tribe and other Backward classes (Central List).

Signature with seal of
office _____
Name _____
Designation _____

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 sibling 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 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 Territory _____
belongs to the _____ Community
which is recognized as a backward class under the Government of India,
Ministry of Social Justice and Empowerment's Resolution No.
_____ dated _____*.

2.

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 **
(**as amended from time to time).

District Magistrate
Deputy Commissioner etc.

Dated: _____

Seal

*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 for central Government services,)

** - As amended from time to time.

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

DECLARATION BY OBC CANDIDATE REGARDING NON-CREAMY LAYER STATUS

I, _____ Son/
Daughter _____ of
Shri _____ resid
ent _____ of
village/town/city _____ District/Division _____ State _____
_____ hereby declare that I belong to _____ community which is
recognized as a backward class by the Government of India for the purpose of
reservation in services as per orders contained in DOP&T OM No.
36012/22/93-Estt.(SCT) dated 08.09.93 which is modified vide O.M No.
36033/3/2013 Estt(Res) dated 13.09.2017. It is also declared that I do not
belong to persons/sections (Creamy Layer) mentioned in column 3 of the
Schedule to the Government of India.

**Signature of the applicant
(OBC Candidate)**

**FORM OF CERTIFICATE TO BE SUBMITTED BY THE CANDIDATES TO
AVAIL RELAXATION IN HEIGHT & CHEST MEASUREMENT**

Certified that Shri _____ S/o Shri
_____ is a permanent resident of Village
_____ Post _____ Tehsil/Taluka
_____ District _____ of _____ State.

2. It is further certified that :-

* Residents of entire area mentioned below are considered as (Hilly area or schedule Tribes in Hilly area or the case may be as mentioned below) _____ for relaxation in height & chest measurement for recruitment in the CAPFs of the Union of India.

* He belongs to the races namely (Garhwalis, Kumaonese, Gorkhas, Dogras, Marathas, persons hailing from North Eastern States and the state of Himachal Pradesh, as the case may be as mentioned below) _____ Community which is considered for relaxation in height & chest measurement for recruitment in the CAPF of the Union of India.

* He belongs to _____ Community which is considered for relaxation in height & Chest measurement for recruitment in the CAPF of the Union of India.

* Delete whichever is not applicable.

Dated, the _____

Place : _____

District Magistrate/
Sub Divisional
Magistrate/Tehsildar etc
(With seal of office)

Note :- Area wise relaxation in height/chest to the eligible candidates for the post of SI(Tech) & Const (Tech) are as under

a) Provision of relaxation in Height for male and female candidates are as under :-

(i) The Minimum Height of candidates falling in the categories of Garhwalis, Kumaonese, Gorkhas, Dogras, Marathas and candidates belonging to the state of Sikkim, Nagaland, Arunachal Pradesh, Manipur, Tripura, Mizoram, Meghalaya, Assam, Himachal Pradesh, State of Jammu and Kashmir will be **160 CMs for male and 155 CMs for females.**

(ii) The minimum height for all candidates belonging to Scheduled Tribes will be **162.5 cms for male and 150 cms for female.**

b) Provision relaxation in chest for Male candidates is as under

The minimum chest for male candidates falling in the categories of Garhwalis, Kumaonese, Gorkhas, Dogras, Marathas and candidates belonging to the state of Sikkim, Nagaland, Arunachal Pradesh, Manipur, Tripura, Mizoram, Meghalaya, Assam, Himachal Pradesh, State of Jammu and Kashmir will be 73 CMs (Minimum 5 CM expansion). The minimum chest for all male candidates belonging to Scheduled Tribes will be 71 cms (Minimum 5 CM expansion).

**FORM OF CERTIFICATE TO BE SUBMITTED BY THE CANDIDATES
BELONGING TO HILL TRIBES AND ADIVASI INCLUDING MIZOS AND
NAGAS CANDIDATES WHO INTEND TO AVAIL RELAXATION IN HEIGHT
MEASUREMENT**

Certified that Shri _____ S/o
Shri _____ is a permanent resident of
Village _____ Post _____ Tehsil/Taluka
_____ District _____ of _____ State.

2. It is further certified that:-

* He/she belongs to _____ Hill Tribe and
Adivasi including Mizo & Nagas Community.

* Residents of entire area mentioned above are considered as **Hill
tribes/Adivasis/Mizos/Nagas** community.

* Delete whichever is not applicable.

District Magistrate/
Sub _____ Divisional
Magistrate/Tehsildar
(With seal of office)

Dated : _____

Place : _____

FORM OF CERTIFICATE TO BE SUBMITTED BY THE CANDIDATES WHO INTEND TO AVAIL RELAXATION IN HEIGHT MEASUREMENT

Certified that Shri _____ S/o Shri
_____ is a permanent resident of
Village _____ Post _____ Tehsil/Taluka
_____ District _____ of _____ State.

2. It is further certified that:-

- Residents of entire area mentioned below are considered as **Hill tribes/Adhivasis** for relaxation in height measurement for recruitment in the CAPF of the Union of India.
- He/she belongs to the races namely Garhwali's, Kumaonese, Gorkhas, Dogras, Marathas, Sikkimies, persons hailing from Leh and Ladakh, Kashmir valley, North Eastern States and the State of Himachal Pradesh, which is considered for relaxation in height measurement for recruitment in the CAPF of the Union of India.
- He/she belongs to _____ Hill Tribes/Adhivasis Community which is considered for relaxation in height measurement for recruitment in the CAPFs of the Union of India.
- Delete whichever is not applicable.

District Magistrate/
Sub _____ Divisional
Magistrate/Tehsildar etc.
(With seal of office)

Dated : _____

Place : _____

FOR OFFICIAL USE ONLY
RECRUITMENT FOR THE POST OF SUB INSPECTOR(TECHNICAL) &
CONSTABLE (TECHNICAL) IN BSF SMT WKSP-2023

MEMORANDUM UNFIT

Subject : Review Medical Examination of candidates found to be UNFIT
in ME for the post of SUB INSPECTOR(TECHNICAL) &
CONSTABLE (TECHNICAL) IN BSF SMT WKSP-2023

Mr./Ms. Roll
No..... is hereby informed that he/she has been
medically examined for recruitment to the post of **SI (Technical)/Constable**
(Technical) SMT WKSP in BSF on
at and found UNFIT due to the reasons
mentioned below :-

.....
.....
.....
.....

2. You are hereby informed that you can apply for Review Medical
Examination (RME) by signing on the consent form below. RME will be
conducted on for which you are required to report
..... hours.

Date Signature of Medical Officers
Centre Name
Stamp

Counter-signature of the Presiding Officer with Seal.

Result of Medical Examination received

Name & Signature of the Candidate

FOR USE OF CANDIDATE ONLY

To
The Presiding Officer of Recruitment Board

.....
.....

Subject – **APPLICATION FOR REVIEW MEDICAL EXAMINATION**

Sir,
I hereby convey my consent for undergoing Review Medical
Examination.

Place..... Signature.....
Date..... Name.....
Roll No.....

(.....)
Signature of the Presiding Officer with Seal