

TELANGANA STATE PUBLIC SERVICE COMMISSION: HYDERABAD

**NOTIFICATION NO.43/2017, DATED: 15/08/2017**

**LECTURERS IN RADIOLOGICAL PHYSICS AND PHYSICIST IN DIRECTOR OF  
MEDICAL EDUCATION (HM&FW DEPARTMENT)  
(GENERAL RECRUITMENT)**

**PARA – I:**

1) Applications are invited Online from qualified candidates through the proforma Application to be made available on Commission's WEBSITE ([www.tspsc.gov.in](http://www.tspsc.gov.in)) to the post of Lecturers in Radiological Physics and Physicist in Director of Medical Education (HM&FW Department).

- i. **Submission of ONLINE applications from Dt. 22/08 /2017**
- ii. **Last date for submission of ONLINE applications Dt. 15/09/2017**
- iii. **Hall Tickets can be downloaded 07 days before commencement of Examination.**

2) The Examination is likely to be held on **Dt. 08/10/2017 F.N.&A.N** The Commission reserves the right to conduct the Examination either **COMPUTER BASED RECRUITMENT TEST (CBRT) or OFFLINE OMR based Examination of objective type.**

Before applying for the posts, candidates shall register themselves as per the One Time Registration (OTR) through the Official Website for TSPSC. Those who have registered in OTR already shall apply by login to their profile using their TSPSC ID and Date of Birth as provided in OTR.

**IMPORTANT NOTE:** Candidates are requested to keep the details of the following documents ready while uploading their OTR Applications.

- i. Aadhar number
- ii. Educational Qualification details i.e., SSC, INTERMEDIATE, DEGREE, POST GRADUATION etc. and their Roll numbers, Year of passing etc.
- iii. Community/ Caste Certificate obtained from Mee Seva/ E Seva i.e., Enrollment number and date of issue for uploading in OTR.

3) The candidates who possess requisite qualification may apply online by satisfying themselves about the terms and conditions of this recruitment. The details of vacancies are given below:-

Sl.No.	Name of the Post	No. of Vacancies	Age as on 01/07/2017 Min. Max.	Scale of Pay Rs.
1	Lecturers in Radiological Physics and Physicist.	06	18 – 44*	37,100- 91,450/-

(The **Details of Vacancies** department wise i.e., Community, State wide and Gender wise (General / Women) may be seen at **Annexure-I.**)

**IMPORTANT NOTE:** The numbers of vacancies are subject to variation on intimation being received from the appointing authority

**4) EDUCATIONAL QUALIFICATIONS:**

Applicants must possess the qualifications from a recognized University as detailed below or equivalent thereto, as specified in the relevant Service Rules, indented by the department as on the Date of Notification.

Sl. No.	Name of the Post	Educational Qualifications
1	Lecturers in Radiological Physics and Physicist	<p>(i) Must possess 1<sup>st</sup> Class in M.Sc in Physics or Nuclear Physics of a University in India established or incorporated by or under a Central Act, Provincial Act or a State Act or an Institution recognized by the University Grants Commission or an equivalent qualification.</p> <p>(ii) Must have passed one year Postgraduate Training Course in Hospital Physics and Radiological Physics from Baba Atomic Research Centre (BARC).</p> <p><b>Note:</b> If no suitable and qualified candidate is available with the qualification and Experience as prescribed, a candidate with First Class M.Sc. in Physics or Nuclear Physics may be appointed by direct recruitment and shall be deputed for one year post graduate Training Course in Hospital Physics and Radiological Physics to Baba Atomic Research Centre (BARC).</p>

**5)AGE:** Minimum 18 years & Maximum 44\* years. The age is reckoned as on 01/07/2017 (Rule-12(1)(a)(v) of State and Subordinate Service Rules).

**Minimum Age (18 years):** A Candidate should not be born after 01/07/1999.

**Maximum Age (44years):** A candidate should not be born before 02/07/1973.

The Upper Age limit will be relaxed as per Rules (shown in the table) and will be calculated on the above lines.

**\*As per G.O. Ms. No. 329 GA(Ser.A) Dept., Dt. 27/07/2015 read with G.O. Ms. No. 264 GA(Ser.A) Dept., Dated: 26-07-2016 and G.O.Ms.No.190 GA (Ser.A) Dept., Dated:08-08-2017, the upper age limit is raised by 10 years.**

N.B.: No person shall be eligible if he/she is less than 18 years of age.

N.B.: No person shall be eligible if he/she has crossed 58 years of age (Superannuation age).

**Age Relaxations:** The upper age limit prescribed above is however relaxable in the following cases:

Sl. No.	Category of candidates	Relaxation of age permissible
1	2	3
1.	Retrenched temporary employees in the State Census Department with a minimum service of 6 months.	3 Years
2.	Telangana State Government Employees (Employees of TSRTC, Corporations, Municipalities etc. are not eligible).	5 Years based on the length of regular service.
3.	Ex-Service men	3 years & length of service rendered in the armed forces.
4.	N.C.C.(who have worked as Instructor in N.C.C.)	3 Years & length of service rendered in the N.C.C.
5.	SC/ST and BCs	5 Years

**EXPLANATION:**

After provision of the relaxation of Age in Col. No. 3 of table above; the age shall not exceed the maximum age prescribed for the post for the candidates at Sl. No. 3 & 4.

The age relaxations for Ex-Servicemen is applicable for those who have been released from Armed Forces otherwise than by way of dismissal or discharge on account of misconduct or inefficiency.

**6) (a) FEE:** (Remittance of Fee) Each applicant must pay **Rs. 200/- (RUPEES TWO HUNDRED ONLY)** towards Online Application Processing Fee. This apart, the applicants have to pay **RS. 120/- (RUPEES ONE HUNDRED AND TWENTY ONLY)** towards Examination Fee. However, the following categories of candidates are exempted from payment of Examination fee.

- a) SC, ST & BC candidates of Telangana State
- b) Unemployed applicants in the age group of 18 to 44 years of Telangana State (They have to submit declaration at an appropriate time to the Commission that they are unemployed).
- c) Ex-service men

N.B.:- BC's, SC's and ST's belonging to other states are not exempted from payment of Application processing Fee and Examination Fee and they are not entitled for any kind of reservation.

**b) Mode of Payment of Fee:**

The Fee mentioned at Para-I(6)(a) is to be paid online through SBI ePay duly following online instructions once the application form details are submitted by filling TSPSC ID, date of birth and other particulars.

The fee once remitted, shall not be refunded or adjusted under any circumstances. Failure to pay the examination fee, application fee, wherever applicable will entail total rejection of application. The list of Banks providing service for the purpose of online remittance of fee is given in **ANNEXURE – II.**

**PARA-II: CENTRES FOR THE WRITTEN EXAMINATION:**

- 1) The Examination will be held at **HYDERABAD (including HMDA Jurisdiction) only or** as may be decided by the Commission.
- 2) However, the Commission reserves the right to abolish / create new centre or centres for administrative reasons. Request for change of the centre will not be entertained.

**PARA-III: HOW TO APPLY:****A) HOW TO UPLOAD THE APPLICATION FORM:**

- (i) The Applicants have to read the **User Guide** for Online Submission of Applications and then proceed further.
- I Step: The Candidate has to visit the WEBSITE **http://www.tspsc.gov.in** and fill the OTR application if not registered earlier to obtain TSPSC ID. While filling the same, the candidates have to ensure that there are no mistakes in it. The Commission bears no responsibility for the mistakes, if any, made by the candidates.
- II STEP: The candidates have to visit the website **http://www.tspsc.gov.in** to submit Application and Click on the Link with Notification Number and Name, provide TSPSC ID and Date of Birth to proceed further.
 

Candidate has to verify the details fetched from various databases pertaining to qualification, caste, Aadhar etc, and displayed on the screen. If the displayed details are correct he/she has to click **Yes** on confirm button. If any details are not displayed or need to be changed, he/she should click **No** on confirm button. If details are not displayed a text box will open and candidate has to feed the details manually. Required documents have to be uploaded by clicking the upload button. In addition to the details obtained from OTR database, Notification specific details such as Examination Centre opted, required qualification, university details, eligibility and accepting declarations etc. are to be filled by the candidate. Preview and Edit facility is available to make changes and submit for proceeding to Next step of making online payment of fee.
- III STEP:-Immediately on entering the above details, the applicant will get payment gateway of SBI ePay.
- IV STEP:-The applicant should pay the prescribed fee as specified through any of the four modes of payment online. Separate instructions have to be followed for each mode of payment.
- V STEP:-After payment of fee, the PDF Application will be generated which contains the particulars furnished by the candidates. The ID No in the PDF Application form has to be quoted for future reference/correspondence.
  - i) Candidate shall note that, the details available with OTR database at the time of submitting the application will be considered for the purpose of this notification. If, any

changes are made by the candidate to OTR database at a later date will not be considered for the purpose of this Notification.

- ii) Hand written/ Typed/ Photostat copies/ outside printed Application Form will not be accepted and liable for rejection.
- iii) The applicants should be willing to serve anywhere in Telangana State.
- iv) For any Technical problems related to Online submission and downloading of Hall-Tickets please contact 040-23120301 or 040-23120302(Call Time: 10.30 A.M to 1.00 P.M & 1.30 P.M to 5.30 P.M) or mail to [helpdesk@tspsc.gov.in](mailto:helpdesk@tspsc.gov.in)

**NOTE:**

1. The Commission is not responsible, for any discrepancy in Bio-data particulars while submitting the application form through Online. The applicants are therefore, advised to strictly follow the instructions and User guide in their own interest before submitting the application.
2. The particulars furnished by the applicant in the Application Form will be taken as final, and data entry is processed, based on these particulars only by Computer. Candidates should, therefore, be very careful in Uploading / Submitting the Application Form Online.
3. Incomplete/incorrect application form will be summarily rejected. The information if any furnished by the candidate subsequently in any form will not be entertained by the Commission under any circumstances. Applicants should be careful in filling-up the application form and submission. If any lapse is detected during the scrutiny, the candidature will be rejected even though he/she comes through the final stage of recruitment process or even at a later stage.
4. Before Uploading/Submission of Application Form, the Candidates should carefully ensure his/her eligibility for this examination. No relevant column of the application form should be left blank, otherwise application form will not be accepted.

**PARA- IV GENERAL PROVISIONS**

1. Applicant must compulsorily fill-up all relevant columns of application and submit application through website only. The particulars made available in the website shall be processed through computer and the eligibility decided in terms of notification.
2. The applications received online in the prescribed proforma available in the website and within the time shall only be considered and the Commission will not be held responsible for any kind of discrepancy.
3. Applicants must upload his/her own scanned photo and signature through J.P.G format.
4. The applicants should not furnish any particulars that are false, tampered, fabricated or suppress any material information while making an application through website.
5. All the essential certificates issued by the competent authority of Telangana State shall compulsorily be kept with the applicants to produce as and when required to do so. Failure to produce the required certificates on the day of verification will lead to disqualification.
6. **Important** – The claim of the candidates with regard to the date of birth, educational / technical qualifications, experience and community are accepted only provisionally on the information furnished by them in their application form and is subject to verification and satisfaction of the Commission. Mere admission to any test or interview or inclusion of the name of a candidate in a Merit List will not confer on the candidate any right for appointment. The candidature is therefore, provisional at all stages and the Commission reserve the right to reject candidature at any stage of the selection even after the advice has been made.
7. This Recruitment is entrusted to TSPSC vide G.O.Ms. No.89, Finance (HRM.VII) Department, Dt.13/07/2016.

The following certificates must be kept ready by the candidates for the purpose of verification and also at the time of making Online application

- i). Aadhar card
- ii). Proof of Educational Qualifications.
- iii). Date of Birth Certificate/SSC
- iv). School Study Certificate
- v). Declaration by the Unemployed
- vi). No Objection Certificate from Employer (if anywhere employed)

The following Certificates should be obtained from Govt. of Telangana State in prescribed proforma for the purpose of verification.

- vii). Community Certificate.
- viii). Non-Creamy Layer Certificate as per Form- VIIB / Creamy Layer Certificate as per Form-VIIC.
- ix). Certificate of Residence / Nativity (where the Candidates not studied in School / Private Study)

**PARA-V:- IMPORTANT LEGAL PROVISIONS GOVERNING THE RECRUITMENT PROCESS:**

1. **Vacancies:** The recruitment will be made to the vacancies notified before the examination only. There shall be no waiting list as per G.O. Ms. No. 81 General Administration (Ser.A) Department, Dated 22/02/1997. If additional vacancies are reported by the Government an addendum to that effect will be issued.
2. **Recruitments:-** The Recruitment will be processed as per this Notification and also as per the Rules and Instructions issued by the Government and also as decided by the Commission from time to time in terms of respective Special Rules/Adhoc Rules governing the Recruitment Vide G.O.Ms.No.154, Health Medical & Family Welfare (A-2) Department, Dated:04/05/2002, G.O.Ms.No.143, HM&FW(B2), Dept, dt.01/08/2017 and as per Government orders issued from time to time, and other related G.Os, Rules etc., applicable in this regard.
3. **Rules:** All are informed that the various conditions and criterion prescribed herein are governed by the General Rules of existing State and Subordinate Service Rules, read with the relevant Special Rules applicable to any particular service in the departments. Any guidelines or clarification is based on the said Rules, and, in case of any necessity, any matter will be processed as per the relevant General and Special Rules in force.
4. **Constitutional Provisions:-** The Commission is empowered under the provisions of Article 315 and 320 of the Constitution of India read with relevant laws, rules, regulations and executive instructions and all other enabling legal provisions in this regard to conduct examination for appointment to the posts notified herein, duly following the principle of order of merit as per Rule 3(ix)(a) of the TSPSC Rules of procedure read with reference to relevant statutory provisions and ensuring that the whole recruitment and selection process is carried out with utmost regard to maintain secrecy and confidentiality so as to ensure that the principle of merit is followed. A candidate shall be disqualified for appointment, if he himself / she herself or through relations or friends or any others has canvassed or endeavored to enlist for his candidature, extraneous support, whether from official or non-official sources for appointment to this service.
5. **State Cadre Post:- The post is identified as State Cadre Post, hence reservation for Local Candidates is not applicable**
6. **Employed:-** The persons already in Government Service/ Autonomous bodies/ Government aided institutions etc., whether in permanent or temporary capacity or as work charged employees are required to inform in writing to the Head of Office / Department, as the case may be and required to submit the "No objection" from the concerned Head of Office / Department to the Commission as and when required to do so.
7. **Penal Action:-** The Commission is also empowered to invoke the penal provisions of the A.P. Public Examinations (Prevention of Malpractices and Unfair means) Act 25/97 for matters connected therewith or incidental thereto and as per the Rules of Procedure of TSPSC published in Telangana Gazette No: 60 dated 28/12/2015 in respect of this Notification.
8. **Caste & Community:** Community Certificate issued by the competent authority (obtained from Government of Telangana State) in terms of G.O.Ms No. 58, SW (J) Dept., dt: 12/5/97 read with G.O. Ms. No. 5 Scheduled Castes Development (POA.A2) Dept., Dt. 08/08/2014, G.O. Ms. No. 11 Scheduled Castes Development (POA.A2) Dept., Dt. 17/09/2014 and G.O. Ms. No. 2 Scheduled Castes Development (POA.A2) Dept., Dt. 22/01/2015 should be submitted at appropriate time in respect of SC & ST Candidates. In respect of candidates belonging to Backward Classes are required to produce Community Certificate (BC-A, BC-B, BC-C, BC-D& BC-E) from Competent Authority i.e., from Tahsildars in the State of Telangana not below the rank of Deputy Tahsildar E-seva/Mee-seva (G.O. Ms. No. 16 BCW(OP) Dept., Dt. 11/03/2015). As per General Rules for State and Subordinate Service Rules, **Rule -2(28)** Explanation: No person who professes a religion different from Hinduism shall be deemed a member of Schedule Caste. BC's, SC's and ST's belonging to other states are not entitled for any kind of reservation.
9. **Reservation:-** (i)The Reservation and eligibility in terms of General Rule 22 & 22 (A) of State and Subordinate Service Rules are applicable.
  - (ii) **As per Special Rules of the Department, Reservation to Disabled persons is not applicable.**
  - (iii) The Reservation to Women will apply as per General Rules / Special rules.
  - (iv) Reservation to BC-E group will be subject to the adjudication of the litigation before the Honorable Courts including final orders in Civil Appeal No: (a) 2628-2637 of 2010 in SLP. No. 7388-97 of 2010, dated. 25/03/2010 and orders from the Government.

**PARA-VI:** Reservation to the Local candidates is not applicable as the selection will be made on state-wide merit basis.

**PARA-VII: SCHEME OF EXAMINATION:-** The Scheme & Syllabus for the examination has been shown in **ANNEXURE-III**.

**PARA-VIII: PROCEDURE OF SELECTION:**

THE SELECTION OF CANDIDATES FOR APPOINTMENT TO THE POSTS WILL BE MADE IN TWO SUCCESSIVE STAGES VIZ.,

- i) Examination (Objective Type) by Online / OMR based.
- and
- ii) Interview (only for those qualified as per Rules).

THE FINAL SELECTION OF THESE POSTS WILL BE BASED ON THE EXAMINATION EITHER ONLINE OR OMR BASED AND INTERVIEW MARKS PUT TOGETHER.

1. Only those candidates who qualify in the Examination in order of merit will be called for verification of certificates and interview in 1:2 ratio, Community and Category wise for the vacancies available. The minimum qualifying marks for Interview / Selection are OCs 40%, BCs 35% ,SCs and STs 30% or as per the Rules. The minimum qualifying marks are relaxable in the case of SC/ST/BC at the discretion of the Commission.

2. The candidates will be selected on state wide merit as per their rank in the merit list against vacancies and for the vacancies available.

N.B.: Mere securing minimum qualifying marks does not vest any right in a candidate for being considered for selection.

3. The appearance in all the papers at the Written Examination as per rules is compulsory. Absence in any paper/papers will automatically render his candidature as disqualified.

4. Candidates have to produce Original documents and other particulars on the day of verification itself. If candidate fails to produce any of the required certificates and if the particulars furnished by him / her in the Application do not tally with the Original documents produced him / her, then his / her candidature will be rejected/disqualified without any further correspondence. As candidature for the recruitment is processed through Computer/Electronic devices based on the particulars furnished in the Application Form, the candidate is advised to fill in all the relevant particulars carefully.

5. While the Commission calls for preference of Candidates in respect of posts etc., in the application form, it is hereby clarified that the said preferences are only indicative for being considered to the extent possible but not binding or limiting the Commission's powers conferred under Article 315 and 320 of the Constitution of India. Therefore, the Commission has the power to assign a successful candidate to any of the notified posts for which he/she is considered by them to be qualified and eligible, subject to fulfilling the selection criterion.

6. The appointment of selected candidates will be subject to their being found medically fit in the appropriate Medical Examination, and if he/she is of sound health, active habits free from any bodily defect or infirmity.

**PARA-IX: DEBARMENT:**

- a) Candidates should make sure of their eligibility to the post applied for and that the declaration made by them in the format of application regarding their eligibility is correct in all respects. Any candidate furnishing in-correct information or making false declaration regarding his/her eligibility at any stage or suppressing any information is liable to be debarred for five years from appearing for any of the examinations conducted by the commission, and summarily rejection of their candidature for this recruitment.
- b) The Penal Provisions of Act 25/97 published in the State Gazette No. 35, Part-IV.B Extraordinary dated: 21/08/1997 shall be invoked if malpractice and unfair means are noticed at any stage of the Recruitment.
- c) The Commission is vested with the constitutional duty of conducting recruitment and selection as per rules duly maintaining utmost secrecy and confidentiality in this process and any attempt by anyone causing or likely to cause breach of this constitutional duty in such manner or by such action as to violate or likely to violate the fair practices followed and ensured by the Commission will be sufficient cause for rendering such questionable means as ground for debarment and penal consequences as per law and rules and as may be decided by the Commission.
- d) Any candidate is or has been found impersonating or procuring impersonation by any person or resorting to any other irregular or improper means in connection with his / her candidature for selection or obtaining support of candidature by any means, such a candidate may in addition to rendering himself/ herself liable to criminal prosecution, will be debarred permanently from any exam or selection held by the Service Commission's in the country.

- e) **MEMORANDUM OF MARKS:-** Memorandum of Marks will be issued on payment of Rs.200/- (Rupees Two Hundred Only) through Online Payment in favour of the Secretary, T.S. Public Service Commission, Hyderabad. Request for Memorandum of Marks from candidates, will be entertained after one month from the date of publication of the final results in TSPSC Website. The Memorandum of Marks will be issued to the candidates for a period of 90 days only. Request for revaluation or recounting will not be undertaken under any circumstances. Invalid, disqualified, ineligible candidates will not be issued any Memorandum of Marks and fees paid by such candidates, if any, will be forfeited to Government account, without any correspondence in this regard.

In case of Off-line examination, if any candidate fails to mark the Booklet Series, Roll Number etc., in the OMR Answer Sheet, the Commission reserves the right to invalidate such Answer Sheets as Answer Sheets are valued by Optical Mark Scanner. No request for reconsideration of such rejected/invalidated cases will be entertained under any circumstances whatsoever.

**PARA-X:-** Please read the following Annexures appended to the Notification before filling the application form.

- i) ***Breakup of Vacancies***
- ii) ***Payment gateway***
- iii) ***Scheme and Syllabus***
- iv) ***Instructions to the Candidates***
- v) ***List of Communities***

**PARA XI: SPECIAL INSTRUCTIONS TO CANDIDATES:**

Candidates are directed to follow the Commission's Website ([www.tspsc.gov.in](http://www.tspsc.gov.in)) regularly to know the latest developments of this Recruitment and any changes/ Modifications/ Addendum/ Corrigendum, dates of Examination, calling of candidates for verification of Certificates/ Interviews/ Results etc. Candidates are advised to go through the Instructions to Candidates enclosed to this Notification at Annexure-IV.

**PARA-XI: COMMISSION'S DECISION TO BE FINAL:**

The decision of the Commission in all aspects and in all respects pertaining to the application and its acceptance or rejection as the case may be, conduct of examination and at all consequent stages culminating in the selection or otherwise of any candidate shall be final in all respects and binding on all concerned, under the powers vested with it under Article 315 and 320 of the Constitution of India. Commission also reserves its right to alter and modify time and conditions laid down in the notification for conducting the various stages up to selection, duly intimating details thereof to all concerned, as warranted by any unforeseen circumstances arising during the course of this process, or as deemed necessary by the Commission at any stage.

**HYDERABAD**  
**DATE: 15/08/2017**

**Sd/-**  
**SECRETARY**

## ANNEXURE – I

## (GENERAL RECRUITMENT)

**BREAKUP OF PROVISIONAL VACANCIES FOR THE POST LECTURER  
RADIOLOGICAL PHYSICS & PHYSCIST**

	OC		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
State wide	2	2	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	4	6
<b>TOTAL</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>4</b>	<b>6</b>	

**IMPORTANT NOTE:** The number of vacancies are subject to variation based on intimation being received from the appointing authority.



**ANNEXURE-II****List of Banks for making payment through SBI ePay.**

<b><u>STATE BANKGROUP</u></b>	5.Oriental Bank of Commerce	17.Lakshmi Vilas Bank	6.Punjab National Bank
1.State Bank of India	6.United Bank of India	18.Punjab & Sind Bank	7.Union Bank of India
2.State Bank of Bikaner & Jaipur	7.Vijaya Bank	19.IDBI Bank	<b><u>LIST – C</u></b>
3.State Bank of Hyderabad	8.City Union Bank	20.Indusind Bank	1.HDFC Bank
4.State Bank of Mysore	9. Catholic Syrian Bank	21.Syndicate Bank	2.ICICI Bank
5.State Bank of Patiala	10.Federal Bank	<b><u>LIST – B</u></b>	3.Bank of Bahrain and Kuwait
6. State Bank of Travancore	11. ING Vysya Bank	1.Canara Bank	4.Citi Bank
<b><u>LIST - A</u></b>	12.Jammu & Kashmir Bank	2.Central Bank of India	5.Indian Overseas Bank
1.Bank of Maharashtra	13. KarurVysya Bank	3.Deutsche Bank	6.Karnataka Bank
2.Corporation Bank	14.South Indian Bank	4.Dhanalaxmi Bank	7.Ratnakar Bank
3.Dena Bank	15.Tamilnadu Mercantile Bank	5.Kotak Bank	
4.Indian Bank	16.DCB Bank		

<b>CHANNEL</b>		<b>AMOUNT RS.</b>	<b>PRICING IN RS.</b>
Internet Banking			
State Bank Group (6 Banks)		All amounts	Rs.3/-per transaction +Taxes
All other Banks	List-A (21 Banks)	All amounts	Rs.5/-per transaction +Taxes
	List-B (7 Banks)	All amounts	Rs.8/-per transaction +Taxes
	List-C (7 Banks)	All amounts	Rs.12/-per transaction +Taxes
<b>Debit Card</b>			
All Banks ( Master/Mastreo/Visa/Rupay )		Up to 2000/-	0.75 % of the transaction amount + Taxes
		2001/- & above	1.00% of the transaction +Taxes
<b>Credit card</b> (Master/Visa/AMEX/Rupay)		All amounts	1.00% of transaction amount + Taxes
IMPS – Mobile payments		All Amounts	Rs. 7/- of the transaction Amount + Taxes

**ANNEXURE-III**  
**SCHEME AND SYLLABUS FOR THE POST OF LECTURER IN RADIOLOGICAL**  
**PHYSICS & PHYSICIST IN HM & FW DEPARTMENT**

**Scheme of Examination**

<b>Part-A:WRITTEN EXAMINATION (Objective Type)</b>	<b>No.of Questions</b>	<b>Duration (Minutes)</b>	<b>Maximum Marks</b>
Paper-I: General Studies and General Abilities	<b>150</b>	<b>150</b>	<b>150</b>
Paper-II: Radiological Physics / Medical Physics (Post M.Sc Diploma Level)	<b>150</b>	<b>150</b>	<b>300</b>
<b>Part-B:Interview</b>			<b>50</b>
		<b>Total</b>	<b>500</b>

**Syllabus**

**PAPER-I: GENERAL STUDIES AND GENERAL ABILITIES**

1. Current Affairs: International, National and State.
2. Society, Heritage and Culture, Polity, Economy, Human Development Indices and the Development Programmes in India and Telangana.
3. Natural Resources in India and Telangana: their distribution, exploitation, conservation and related issues.
4. Basic concepts of Ecology and Environment and their impact on health and economy; Disasters and Disaster management.
5. Impact of changing demographic trends on health, environment and society.
6. Agriculture, Industry, Trade, Transportation and Service sectors in India and Telangana.
7. Food adulteration, Food processing, food distribution, food storage and their relevance to public health.
8. Recent trends in Science and Technology.
9. Telangana Statehood movement and formation of Telangana State.
10. Moral values and Professional ethics.
11. Logical Reasoning: Analytical Ability and Data Interpretation.

**Paper.II: Radiological Physics / Medical Physics (Post M.Sc Diploma Level)**

**Unit-1: Radioactivity**

Natural and artificial radioactivity, Modes of radioactive decay, Exponential decay, Physical, biological and effective half-lives, mean life, decay constant, Types of nuclear reactions and Principles of radionuclide production.

Interaction of Radiation with matter: Interaction of Photons with matter- types, properties and their relative importance, mass, electronic and atomic attenuation coefficient – Total attenuation coefficient, Total transfer and absorption coefficient. Interaction of heavy

charged particle with matter – Electron interaction with matter - Energy loss mechanisms: Collisional losses, Radiation losses, Stopping power - Mass collisional and radiative stopping power, LET, Ionization, Excitation, and Scattering. Interaction of Neutrons with matter-Neutron induced nuclear reactions.

### **Unit-2: Radiobiology**

Structure of the cell- types of cells and tissue, their structures and functions. Biological modifiers and Cell Kinetics, Cell cycle control mechanisms. Anatomy and Physiology of human body as applied to Radio diagnosis and Radiotherapy.

Radiobiological Effects: Radiation effect at cellular level, Radiation effect on human tissue, Radiation effect on organs, Radiation effect on malignant cells and tissues, Radiation effect on the fetus, Five R's of Radiobiology. Fractionation and its effect, Nominal Standard Dose concepts, TCP / NTCP. Radiobiological Concepts: Sensitizers, Protectors, Reduction of side effects, Linear energy transfer, (LET) Radiobiological effectiveness (RBE), Oxygen effect, Oxygen enhancement ratio (OER), Radiobiological models, TDF factors, Gap correction, LQ model, Alpha - Beta concepts.

### **Unit-3: Radiation Quantities, Units and Detection**

Concept, definition, units of kerma, absorbed dose, dose equivalent, equivalent dose, effective dose, air kerma rate constant, reference air kerma rate, activity and apparent activity – Energy Transfer – Electronic Equilibrium – Bragg Gray Cavity theory – measurement of absorbed dose.

Basic principles of Radiation detection. Ionization chambers, Semi-conductor detectors, Optical and thermo luminescence Dosimeters. Calorimetric, MOSFET, Diamond detectors, Scintillation Detectors, Detector arrays, Radiation Field Analyser, Radioisotope calibrator. Film Dosimetry, Chemical dosimetry, Gel dosimetry. Brachytherapy dosimeters, Neutron dosimeters and Radiation Protection dosimeters.

### **Unit-4: Diagnostic Radiology**

Production and properties of X-rays, bremsstrahlung and characteristic X-rays. Radiography techniques: Prime factors (kVp, mAs and SID/SFD), influence of prime factors on image quality, selection criteria of prime factors for different types of imaging. Filters: inherent and added filters. Scatter reduction and scatter reduction methods; beam restrictors and different types of grids. Intensifying screens: Function of intensifying screens, screen function evaluation parameters, emission spectra and screen film matching, conventional screens Vs rare earth screens, Construction and working principles of image intensifiers. Fluoroscopic X-ray units, C-arms and Mobile X-ray units. Digital Radiography(DR), Computed Radiography(CR), Zero Radiography(XR) and Film Radiography(FR). QA of conventional diagnostic X-ray equipment: Purpose of QA, QA protocols, QA test methods for performance evaluation of X-ray diagnostic equipment. Layout designs.

### **Unit-5: Special Imaging devices in Radiology**

Mammography, Cathlab X-ray units used in Interventional radiology, Conventional tomography (principle only), Orthopantomography (OPG) and other Dental X-ray units, Bone Mineral Density (BMD) measuring X-ray unit. Computed Tomography (CT)- CT system components, Layout and QA of CT equipment. Magnetic Resonance Imaging (MRI):MRI system components - proton density, relaxation time T1 & T2 images - Image characteristics - Magnets, Magnetic fields, Gradients, Magnetic field shielding, Radio Frequency systems, computer functions - Imaging process – Image artifacts – MRI safety. Ultrasound Imaging: Interaction of sound waves with body tissues, production of ultrasound - transducers – acoustic coupling - image formation - modes of image display - colour Doppler.

### **Unit-6 : Nuclear Medicine**

Introduction to Nuclear Medicine, Properties and uses of various radioisotopes used in Nuclear Medicine. Radionuclide Generators and their operation principles. Radionuclide Imaging: The Rectilinear Scanner, Anger Camera / Scintillation Camera; Different types of Collimators, Digital Image Processing Systems and principles of 2D and 3D Imaging Techniques - Basic Principles of Focal Plane Tomography, Emission Computed

Tomography, Single Photon Emission Computed Tomography, Positron Emission Tomography. Various Image Reconstruction Techniques, Image Quality Parameters and Methods of Evaluation of Spatial Resolution, Contrast, Noise. NEMA Protocols followed for Quality Assurance / Quality Control of Imaging Instruments. In-vitro Technique: RIA/IRMA techniques and its principles. Principles of PET, Detector and Scanner Design and uses of PET scanner. Working of Medical Cyclotron, Radioisotopes Produced and their characteristics. Treatment of Thyrotoxicosis, Thyroid cancer with I-131, concept of Delay Tank and various Waste Disposal Methods used in Nuclear Medicine. Planning and Shielding Calculations during the installation of SPECT, PET/CT and Medical Cyclotron.

### **Unit-7: External Beam Radiation Sources**

kV X-ray units-Design and operation of Orthovoltage and Superficial therapy units, Tele-isotope units: Cesium teletherapy unit, Cobalt-60 teletherapy unit, Vaults design, Specification and acceptance testing, commissioning, quality control. Medical Accelerators: Linear accelerator, Medical Microtron, Betatron, - Facility design, Photon & Electron beam properties, Specification for Linear accelerator, Installation and acceptance testing, commissioning, Quality assurance, Safety considerations. Beam Shaping- Alloy Blocks, Physical and dynamic wedges, compensating filters, Multileaf collimators (MLCs). Different methods of Intensity modulation. Electron Portal Imaging devices, On Board Imaging devices, RPM-gating devices and other IGRT-devices.

### **Unit-8: Brachytherapy**

Basic principles of brachytherapy. Surface, interstitial, intracavitary, intravascular and intraluminal techniques. Low, medium, high and pulsed dose rate brachytherapy. manual afterloading and remote after loading machines. Layout design, installation and acceptance testing. Brachytherapy dosage systems – Manchester system, Paris system, Methods of reconstruction – optimization in Brachytherapy and dosage calculation using radiography, CT and MRI. ICRU dose specification system. Radioactive Sources for Brachytherapy: Gamma sources - Caesium-137, Iridium-192, Gold-198, Cobalt-60, Iodine-125, and Palladium 103. Beta sources - Strontium-90, Yttrium-90 and Ruthenium-106. Production of these radioactive sources, Source construction including filtration. Physical Properties - Spectra of radiation emitted, half-life and specific activity. Comparative advantages of these radio nuclides. Handling, calibration, inspection, storage and transport of brachytherapy sources.

### **Unit-9: Dosimetry and Networking**

Phantoms, Commercially available 2D and 3D dose measuring Instruments. Measurement of radiation quality - Output and dose distribution for photon and electron beams. Dosimetry protocols – IAEA TRS 398 and AAPM TG 51. Periodic QA of Telecobalt unit - Linear accelerator – MLC – EPID – OBI – TPS(Treatment planning system) – Daily, weekly and monthly QA of Radiotherapy machines. Patient specific QA of IMRT, VMAT, SRS/SRT and other treatments.

Dosimetry in brachytherapy – AAPM TG 43 - Measurement of reference air kerma rate (RAKR)/ air kerma strength (AKS) for sealed brachytherapy sources. Activity and dose rates for unsealed radionuclides.

Networking in Radiotherapy – DICOM Format – DICOM RT – Radiation Oncology information management system.

### **Unit-10 : Photon beam therapy**

Characteristics of Photon beams, Variation of percentage depth dose and output with field size and SSD. Methods of compensation for patient contour variation and/or tissue inhomogeneity and shielding of dose-limiting tissues. Static and dynamic Wedges, bolus, build-up material, compensating filters, multileaf collimators (MLC).

Treatment Planning and Advances in Radiotherapy Delivery: Patient positioning and Immobilization methods – lasers – SSD and SAD treatment deliveries. Treatment verification Methods: Electronic portal imaging devices (EPID), kV cone beam CT, MV Cone beam CT, RPM-gating and other IGRT techniques. Adaptive radiotherapy and on-line treatment verification. Treatment delivery protocols of 3DCRT, IMRT, SRS/SRT, VMAT and SBRT treatments.

**Unit-11: Electron Beam Therapy**

Energy spectra, Energy specification, Variation of mean energy with depth, Suitability of measuring instruments for electron beam dosimetry, Characteristics of electron beams, Surface dose, percentage depth dose, beam profiles, isodose curves and charts, Flatness and symmetry, Beam collimation, Variation of percentage depth dose and output with field size and SSD, Photon contamination, Treatment planning - energy and field size choice, air gaps and obliquity. Tissue inhomogeneity - lung, bone, and air filled cavities. Bolus, Field junctions (with either electron or photon beams), Internal shielding and Arc therapy.

**Unit-12: Treatment Planning systems and dose distribution**

Computerized Treatment Planning Systems – Patient data acquisition techniques - Determination of body contour and location of internal structures, target volume and critical tissues. Imaging for radiotherapy planning- Plain film, CT, MRI, Ultrasonography, PET, Hybrid imaging. Specification of Tumor dose – ICRU 50 & 62 Reports.

Dose calculation algorithms – Model-Based Algorithms - Dose Calculation in Homogeneous Media - Superposition and Convolution Algorithms -Pencil Beam and Path Length Scaling - Collapsed Cone and Kernel Tilting – Monte Carlo calculations. 2D and 3D conformal treatment planning techniques, methods and combination of beams - Calculation methods – inhomogeneity corrections. IMRT, VMAT and SRS/SRT optimization techniques – Plan Evaluation techniques – Isodose charts and Dose Volume Histograms – Measurements of dosimetry parameters.

**Unit-13: Special Procedures of Radiotherapy**

Total Body Irradiation-Guidelines and delivery techniques. Patient positioning, dosimetry for commissioning, in-vivo dosimetry protocol. Total Skin Electron Irradiation- Guidelines and delivery techniques. Patient positioning and dosimetry. Intraoperative Radiotherapy. Stereotactic Radiosurgery – Methods, dosimetry, treatment planning and quality assurance. Gamma knife and CyberKnife Radiosurgery, Tomotherapy, Proton therapy - rationale, techniques, Boron Neutron Capture therapy, Photodynamic therapy – Monoclonal antibodies therapy.

**Unit-14: Fundamentals of Radiation Protection**

Radiation protection - Historical development, Principles of radiation protection and units, Radiation weighting factors, Tissue weighting factors, Annual dose limits. Radiation effects –Somatic and genetic effects, Classification of radiation effects on dose - Stochastic and deterministic effects, justification, optimization, ALARA principle. Radiation protection rules (RPR) and tools. Prescribed regulatory requirements, Applicable Safety Codes, Standards, Guides and Manuals of Atomic Energy Regulatory Board (AERB) for Radio diagnosis, Nuclear Medicine and Radiotherapy departments. Basic safety standards (BSS) and ICRP 60 and 103.

Radiation Protection Instruments: Ionization chamber, large volume chambers, Survey meters, Proportional counters, GM counters, Area zone monitors, Contamination monitors. Personal monitoring devices – Film badge, TLD and pocket dosimeters.

**Unit-15: Safe handling of Radioactive Materials and Responsibilities**

Methods of transport, Classification of radioactive packages for transport, Procedures for preparing the radioactive package for transport, Regulatory requirements for transport of radioactive materials – National and international. IAEA safety standards, Emergency preparedness. Safety and security of sources during storage, Use, Transport and disposal. Radio toxicity of different radionuclides and the classification of laboratories. Radiation injuries, their treatment and medical management

Licensing, Inspection and Enforcement. Responsibilities of Employers, Licensees, Radiological safety officers and Radiation Workers. Professional aspects and role of Medical Physicists. National inventories of radiation sources, Import and Export procedures.

## ANNEXURE - IV

### INSTRUCTIONS TO CANDIDATES:

#### **A) GENERAL INSTRUCTIONS TO CANDIDATES**

- 1) Candidates are directed to follow the Commission's Website ([www.tspsc.gov.in](http://www.tspsc.gov.in)) regularly to Know the latest developments regarding the Recruitment, dates of Examination, calling of candidates for verification of Certificates/ Interviews/ Results etc.
- 2) The candidates must note that his/her admission to the examination is strictly provisional. The mere fact that an Admission to the examination does not imply that his/her candidature has been finally cleared by the Commission or that the entries made by the candidate in his/her application have been accepted by the Commission as true and correct. The candidates have to be found suitable after verification of original certificates; and other eligibility criteria. The Applicants have to upload his/her scanned recent colour passport photo and signature to the Application Form. Failure to produce the same photograph, if required, at the time of interview/ verification, may lead to disqualification. Hence the candidates are advised not to change their appearance till the recruitment process is complete.
- 3) **The candidates are not allowed to bring any Electronic devices such as mobile / cellphones, Calculators, tablets, iPad, Bluetooth, pagers, watches to examination centre.** Loaning and interchanging of articles among the candidates is not permitted in the examination hall and any form of malpractice will not be permitted in the exam hall.
- 4) The candidates are expected to behave in orderly and disciplined manner while writing the examination. If any candidate takes away Answer Sheet of OMR based examination, the candidature will be rejected and in case of impersonation/ disorder/ rowdy behaviour during Examination, necessary F.I.R. for this incident will be lodged with concerned Police Station, apart from disqualifying his / her candidature.
- 5) Candidates trying to use unfair means shall be disqualified from the selection. No correspondence whatsoever will be entertained from the candidates.
- 6) The Penal Provisions of Act 25/97 published in the A.P. Gazette No. 35, Part-IV.B Extraordinary dated: 21/08/1997 shall be invoked if malpractice and unfair means are noticed at any stage of the Examination.

#### **7) EDIT OPTION TO THE CANDIDATES (FOR 3 DAYS)**

Candidates are directed to take note that, after last date of receipt of Applications, Edit option to the candidates will be allowed for three (3) days to make any corrections regarding their Biodata particulars/Data corrections/Omissions etc., in the Online application already submitted to the Commission. After the due date, Data corrections through Online/Paper representations/Corrections on the Nominal Rolls will not be accepted under any circumstances.

#### **B) INSTRUCTIONS REGARDING OFFLINE OMR BASED EXAMINATION FOR CANDIDATES**

- 1) The candidates have to report 30 minutes before to the examination venue to record their thumb impression on Biometric system.
- 2) The candidates should go through the instructions given on the cover page of test booklet and carefully write his/her Register Number, Subject / Subject Code, Booklet Series, Name of the Examination Centre etc., in the Answer Sheet, which will be provided to him/her in the examination hall.
- 3) Since the answer sheets are to be scanned (valued) with Optical Mark Scanner system, the candidates have to USE BALL POINT PEN (BLUE/BLACK) ONLY FOR MARKING THE ANSWERS. The candidates will be supplied OMR Sheet consists of two copies i.e., the Original Copy (Top Sheet) and Duplicate Copy (Bottom Sheet). The candidate is required to use Ball Point Pen (Blue or Black) for filling the relevant blocks in the OMR Sheet including bubbling the answers. **After writing the examination the candidate has to handover the original OMR sheet (Top Sheet) to the invigilator in the examination hall, if any candidate takes away the original OMR Sheet (Top Sheet) his/her candidature will be rejected. However the candidate is permitted to take away the duplicate (Bottom Sheet) OMR Sheet for his/her record.** The candidates should bring Ball Point Pen (Blue/Black and smooth writing pad) to fill up relevant columns on the Answer Sheet. The candidate must ensure encoding the Register Number, Subject/Subject Code, Booklet Series, Name of the Examination Centre, Signature of the Candidate and Invigilator, etc., on the O.M.R. Answer sheet correctly, failing which the Answer sheet will be rejected and will not be valued. **Use of whitener on OMR Sheet will lead to disqualification.**
- 4) The OMR Sheet is to bubble only by Ball Point Pen (Blue/Black). Bubbling by Pencil / Ink Pen / Gel Pen is not permitted in this examination.
- 5) The candidates should satisfy the Invigilator of his identity with reference to the signature and photographs available on the Nominal Rolls and Hall Ticket.
- 6) No candidate should leave the examination hall till expiry of fulltime.
- 7) The Commission would be analyzing the responses of a candidate with other appeared candidates to detect patterns of similarity. If it is suspected that the responses have been shared and the scores obtained are not genuine/ valid, the Commission reserves the right to cancel his/ her candidature and to invalidate the Answer Sheet.
- 8) (i)Wherever Written Examination is held, only those candidates who are totally blind are allowed to write the examination with the help of scribe and 10 minutes extra time is permitted to them per hour.

- (ii) An extra time of 20 minutes per hour is also permitted for the candidates with locomotor disability and CEREBRAL PALSY where dominant (writing) extremity is affected for the extent slowing the performance of function (Minimum of 40% impairment). No scribe is allowed to such candidates.
- (iii) Scribe will be provided to those candidates who do not have both the upper limbs for Orthopedically Handicapped. However, no extra time will be granted to them.
- (a) The scribe should be from an academic discipline other than that of the candidate and the academic qualification of the scribe should be one grade lower than the stipulated eligibility criteria.
- (b) The candidate as well as the scribe will have to give a suitable undertaking confirming the rules applicable

### **C) INSTRUCTIONS REGARDING ONLINE EXAMINATION FOR CANDIDATES**

- 1) Candidates shall report at the venue one and half hour (90 minutes) before the Commencement of Examination as the candidates have to undergo certain procedural formalities required for online examination.
- 2) Date and Time of the Examination as per Hall-Ticket
- 3) The examination link with the login screen will already be available on your system. Please inform the invigilator if this is not the case.
- 4) 10 minutes prior to the exam, you'll be prompted to login. Please type the Login ID (Roll No) and the Password (Password for Candidate will be given on exam day) to proceed further.
- 5) Invigilator will announce the password at 09.50 AM and 02.20 PM.
- 6) Copying or noting down questions and/or options is not allowed. Severe action will be taken if any candidate is found noting down the questions and/or options.
- 7) After logging in, your screen will display:
  - *Profile Information - Check the details & click on "I Confirm" or "I Deny".*
  - *Detailed exam instructions - Please read and understand thoroughly.*
  - *Please click on the "I am ready to Begin" button, after reading the instructions.*
- 8) You have to use the mouse to answer the multiple choice type questions with FOUR alternative answers.
- 9) To answer any numerical answer type question, you need to use the virtual numeric key pad and the mouse.
- 10) On the online exam question screen, the timer will display the balance time remaining for the completion of exam.
- 11) The question numbers are color coordinated and of different shapes based on the process of recording your response:
  - *White (Square) - For un-attempted questions.*
  - *Red (Inverted Pentagon) - For unanswered questions.*
  - *Green (Pentagon) - For attempted questions.*
  - *Violet (Circle) - Question marked by candidate for review, to be answered later.*
  - *Violet (Circle with a Tick mark) - Question answered and marked by candidate for review.*
- 12) After answering a question, click the SAVE & NEXT button to save your response and move onto the next question.
- 13) Click on Mark for Review & NEXT to mark your question for review, and then go to the next question.
- 14) To clear any answer chosen for a particular question, please click on the CLEAR RESPONSE button.
- 15) A summary of each section, (i.e. questions answered, not answered, marked for review) is available for each section. You have to place the cursor over the section name for this summary.
- 16) In case you wish to view a larger font size, please inform the Invigilator. On the Invigilator's confirmation, click on the font size you wish to select. The font size will be visible on the top.
- 17) You may view INSTRUCTIONS at any point of time during exam, by clicking on the INSTRUCTIONS button on your screen.
- 18) The SUBMIT button will be activated after 150 Minutes. It will continue for an additional 50 Minutes for PWD candidate eligible for compensatory time. Please keep checking the timer on your screen.
- 19) In case of automatic or manual log out, all your attempted responses will be saved. Also, the exam will start from the time where it had stopped.
- 20) You will be provided a blank sheet for rough work. Do write your Login ID and Password on it. Please ensure that you return it to the invigilator at the end of the exam after tearing ONLY the password from it.
- 21) Please don't touch the key board as your exam ID will get locked. If your ID gets locked, please inform a nearby invigilator who will help in unlocking your ID and then you can continue with the exam.
- 22) Please inform the invigilator in case of any technical issues.
- 23) Please do not talk to or disturb other candidates.
- 24) In case you are carrying articles other than the admit card, photo identity proof and pen, please leave them outside the exam room.
- 25) You cannot leave exam room before submitting the paper. Please inform the invigilator if you want to use the wash room.

**ANNEXURE-V**  
**LIST OF SCHEDULED CASTES AND SCHEDULED TRIBES**

(G.O. MS. NO. 5 Scheduled Castes Development (POA.A2) Dept., Dt. 08/08/2015 read with G.O. Ms. No. 11, Scheduled Castes Development (POA.A2) Dept., Dt. 17/09/2014 and G.O. Ms. No. 2 Scheduled Castes Development (POA.A2) Dept., Dt. 22.01.2015)

**LIST OF SCHEDULED CASTES**

1. Adi Andhra
2. Adi Dravida
3. Anamuk
4. Aray Mala
5. Arundhatiya
6. Arwa Mala
7. Bariki
8. Bavuri
9. Beda (Budga) Jangam
10. Bindla
11. Byagara, Byagari
12. Chachati
13. Chalavadi
14. Chamar, Mochi, Muchi, Chamar-Ravidas, Chamar- Rohidas
15. Chambhar
16. Chandala
17. Dakkal, Dokkalwar
18. Dandasi
19. Dhor
20. Dom, Dombara, Paidi, Pano
21. Ellamalawar, Yellammalawandlu
22. Ghasi, Haddi, Relli, Chanchandi
23. Godari
24. Gosangi
25. Holeya
26. Holeya Dasari
27. Jaggali
28. Jambuvulu
29. Kolupulvandlu, Pambada, Pambanda, Pambala
30. Madasi Kuruva, Madari Kuruva
31. Madiga
32. Madiga Dasu, Mashteen
33. Mahar
34. Mala, Mala Ayawaru
35. Mala Dasari
36. Mala Dasu
37. Mala Hannai
38. Malajangam
39. Mala Masti
40. Mala Sale, Nethani
41. Mala Sanyasi
42. Mang
43. Mang Garodi
44. Manne
45. Mashti
46. Matangi
47. Mehtar
48. Mitha Ayyalvar
49. Mundala
50. Paky, Moti, Thoti
51. Pamidi
52. Panchama, Pariah
53. Relli
54. Samagara
55. Samban
56. Sapru
57. Sindhollu, Chindollu
58. Yatala
59. Valluvan



**LIST OF SCHEDULED TRIBES**

1. Andh, Sadhu Andh
2. Bagata
3. Bhil
4. Chenchu
5. Gadabas, Bodo Gadaba, Gutob Gadaba, Kallayi Gadaba, Parangi Gadaba, Kathera Gadaba, Kapu Gadaba
6. Gond, Naikpod, Rajgond, Koitur
7. Goudu (in the Agency tracts)
8. Hill Reddis
9. Jatapus
10. Kammara
11. Kattunayakan
12. Kolam, Kolawar
13. Konda Dhoras, Kubi
14. Konda Kapus
15. Kondareddis
16. Kondhs, Kodi, Kodhu, Desaya Kondhs, Dongria Kondhs, Kuttiya Kondhs, Tikiria Kondhs, Yenity Kondhs, Kuvinga
17. Kotia, Benthoriya, Bartika, Dulia, Holya, Sanrona, Sidhopaiko
18. Koya, Doli Koya, Gutta Koya, Kammara Koya, Musara Koya, Oddi Koya, Pattidi Koya, Rajah, Rasha Koya, Lingadhari Koya (ordinary), Kottu Koya, Bhine Koya, Rajkoya
19. Kulia
20. Manna Dhora
21. Mukha Dhora, Nooka Dhora
22. Nayaks (in the Agency tracts)
23. Pardhan
24. Porja, Parangiperja
25. Reddi Dhoras
26. Rona, Rena
27. Savaras, Kapu Savaras, Maliya Savaras, Khutto Savaras
28. Sugalis, Lambadis, Banjara
29. Thoti (in Adilabad, Hyderabad, Karimnagar, Khammam, Mahbubnagar, Medak, Nalgonda, Nizamabad and Warangal districts)
30. Yenadis, Chella Yenadi, Kappala Yenadi, Manchi Yenadi, Reddi Yenadi
31. Yerukulas, Koracha, Dabba Yerukula, Kunchapuri Yerukula, Uppu Yerukula
32. Nakkala, Kurvikaran.

**LIST OF SOCIALLY AND EDUCATIONALLY BACKWARD CLASSES**

As per G.O. Ms. No. 16 Backward Classes Welfare (OP) Department, Dated: 11.03.2015 and read with G.O. MS.No. 34, Backward Classes Welfare (OP) Department, Dated: 08/10/2015, G.O. Ms. No. 4 Backward Classes Welfare (OP) Department, Dated: 30/01/2016

**STATE LIST OF BCs**  
**(List of Backward Classes of Telangana State)**  
**GROUP-A**

**(Aboriginal Tribes, Vimuktha Jathis, Nomadic and Semi-Nomadic Tribes etc.)**

- 1 Agnikulakshatriya, Palli, Vadabaliya, Bestha, Jalari, Gangavar, Gangaputra, Goondla, Vanyakulakshatriya (Vannekapu, Vannereddi, Pallikapu, Pallireddi) Neyyala, Pattapu.
- 2 Balasanthu, Bahurupi
- 3 \*[Bandara]
- 4 Budabukkala
- 5 Rajaka (Chakali, Vannar)
- 6 Dasari (formerly engaged in Bikshatana i.e., Beggary)
- 7 Dommara
- 8 Gangiredlavaru
- 9 Jangam (whose traditional occupation is begging)
- 10 Jogi
- 11 Katipapala
- 12 \*[Korcha]
- 13 Lambada or Banjara in Telangana area (deleted and included in ST list vide. G.O.Ms.No.149, SW, Dt.03.05.1978)
- 14 Medari or Mahendra
- 15 Mondivaru, Mondibanda, Banda
- 16 Nayi-Brahmin/Nayee-Brahmin (Mangali), Mangala and Bhajantri
- 17 Nakkala (deleted vide. G.O.Ms.No.21, BCW (C2) Dept., Dt.20.06.2011, since it is included in the list of Scheduled Tribes at Sl.No.34 vide. Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 2002 (Central Act No.10 of 2003)
- 18 Vamsha Raj / Pitchiguntla
- 19 Pamula

- 20 Pardhi (Nirshikari)
- 21 Pambala
- 22 Peddammavandlu, Devaravandlu, Yellammavandlu, Mutyalammavandlu, Dammali / Dammala / Dammula / Damala
- 23 Veeramushti (Nettikotala), Veerabhadreeya
- 24 Valmiki Boya (Boya, Bedar, Kirataka, Nishadi, Yellapi, Pedda Boya), Talayari, Chunduvallu (Yellapi and Yellapu are one and the same as clarified vide. G.O.Ms.No.61, BCW (M1) Dept., Dt.05.12.1996)
- 25 Yerukalas in Telangana area (deleted and included at Sl.No.31 in the list of STs)
- 26 Gudala
- 27 Kanjara – Bhatta
- 28 \*[Kalinga]
- 29 Kepmare or Reddika
- 30 Mondepatta
- 31 Nokkar
- 32 Pariki Muggula
- 33 Yata
- 34 Chopemari
- 35 Kaikadi
- 36 Joshinandiwalas
- 37 Odde (Oddilu, Vaddi, Vaddelu), Vaddera, Vaddabhovi, Vadiyaraj, Waddera
- 38 Mandula
- 39 Mehtar (Muslim)
- 40 Kunapuli
- 41 Patra
- 42 \*[Kurakula]
- 43 \*[Pondara]
- 44 \*[Samanthula /Samantha/ Sountia / Sauntia]
- 45 Pala-Ekari, Ekila, Vyakula, Ekiri, Nayanivaru, Palegaru, Tolagari, Kavali (area confined to Hyderabad and Rangareddy Districts only)
- 46 Rajannala, Rajannalu (area confined to Karimnagar, Warangal, Nizamabad and Adilabad Districts only)
- 47 Bukka Ayyavars
- 48 Gotrala
- 49 Kasikapadi / Kasikapudi (area confined to Hyderabad, Rangareddy, Nizamabad, Mahaboobnagar and Adilabad Districts only)
- 50 Siddula
- 51 Sikligar/ Saikalgar
- 52 Poosala (included vide. G.O.Ms.No.16, BCW(C2) Dept., Dt.19.02.2009 by deleting from Sl.No.24 under Group-D)
- 53 \*[Aasadula / Asadula]
- 54 \*[Keuta / Kevuto / Keviti]
- 55 Orphan and Destitute Children who have lost their parents before reaching the age of ten and are destitute; and who have nobody else to take care of them either by law or custom; and also who are admitted into any of the schools or orphanages run by the Government or recognised by the Government.

**GROUP-B**  
**(Vocational Groups)**

- 1 \*[Achukatlavandlu]
- 2 Aryakshatriya, Chittari, Giniyar, Chitrakara, Nakhas
- 3 Devanga
- 4 Goud [Ediga, Gouda (Gamalla), Kalalee, Gounda, **[\*Settibalija of Visakhapatnam, East Godavari, West Godavari and Krishna districts]** and Srisayana (Segidi)
- 5 Dudekula, Laddaf, Pinjari or Noorbash
- 6 Gandla, Telikula, Devathilakula
- 7 Jandra
- 8 Kummara or Kulala, Salivahana
- 9 Karikalabhakthulu, Kaikolan or Kaikala (Sengundam or Sengunther)
- 10 Karnabhakthulu
- 11 Kuruba or Kuruma
- 12 \*[Nagavaddilu]
- 13 Neelakanthi
- 14 Patkar (Khatri)
- 15 Perika (Perika Balija, Puragiri kshatriya)
- 16 Nessi or Kurni
- 17 Padmasali (Sali, Salivan, Pattusali, Senapathulu, Thogata Sali)
- 18 Srisayana (Segidi) (deleted vide. G.O.Ms.No.63, BCW (M1) Dept., Dt.11.12.1996 and added to Sl.No.4 of Group-B)
- 19 Swakulasali
- 20 Thogata, Thogati or Thogataveerakshatriya
- 21 Viswabrahmin (Ausula, Kamsali, Kammari, Kanchari, Vadla or Vadra or Vadrangi and Silpis), Viswakarma
- 22 \*[Kunchiti / Vakkaliga / Vakkaligara / Kunchitiga]
- 23 Lodh/ Lodhi/ Lodha (area confined to Hyderabad, Rangareddy, Khammam and Adilabad Districts only)

- 24 Bondili  
 25 Are Marathi, Maratha (Non-Brahmins), Arakalies and Surabhi Natakavallu  
 26 Neeli (included vide. G.O.Ms.No. 43, BCW (C2) Dept., Dt.07.08.2008 by deleting from Group D at Sl.No.22)  
 27 Budubunjala / Bhunjwa / Bhadbhunja (area confined to Hyderabad and Rangareddy Districts only)  
 28 \*[Gudia / Gudiya]

**GROUP-C**  
**(Harijan Converts)**

- 1 Scheduled Castes converts to Christianity and their progeny

**GROUP-D**  
**(Other Classes)**

- 1 \*[Agaru]  
 2 Arekatika, Katika, Are-Suryavamshi  
 3 \*[Atagara]  
 4 Bhatraju  
 5 Chippolu (Mera)  
 6 \*[Gavara]  
 7 \*[Godaba]  
 8 Hatkar  
 9 \*[Jakkala]  
 10 Jingar  
 11 \*[Kandra]  
 12 Koshti  
 13 Kachi  
 14 Surya Baliya (Kalavanthula), Ganika  
 15 Krishnabaliya (Dasari, Bukka)  
 16 \*[Koppulavelamas]  
 17 Mathura  
 18 Mali (Bare, Barai, Marar and Tamboli)  
 19 Mudiraj, Mutrasi, Tenugollu  
 20 Munnurukapu  
 21 \*[Nagavasam (Nagavamsa)]  
 22 Nelli (deleted vide. G.O.Ms.No.43, BCW(C2) Dept., Dt.07.08.2008 and added at Sl.No.26 in Group 'B')  
 23 \*[Polinati Velamas of Srikakulam and Visakhapatnam districts]  
 24 Poosala caste (deleted vide. G.O.Ms.No.16, BCW(C2) Dept., Dt.19.02.2009 and included at S.No.52 under Group-A)  
 25 Passi  
 26 Rangarez or Bhavasara Kshatriya  
 27 Sadhuchetty  
 28 Satani (Chattadasrivaishnava)  
 29 Tammali (Non-Brahmins) (Shudra caste) whose traditional occupation is playing musical instruments, vending of flowers and giving assistance in temple service but not Shivarchakars  
 30 \*[Turupukapus or Gajulakapus]  
 31 Uppara or Sagara  
 32 Vanjara (Vanjari)  
 33 Yadava (Golla)  
 34 Are, Arevallu and Arollu  
 35 \*[Sadara / Sadaru]  
 36 \*[Arava]  
 37 Ayyaraka (area confined to Khammam and Warangal Districts only)  
 38 Nagaralu (area confined to Hyderabad and Rangareddy Districts only)  
 39 Aghamudian, Aghamudiar, Agamudivellalar and Agamudimudaliar (including Thuluva Vellalas) (area confined to Hyderabad and Rangareddy Districts only)  
 40 \*[Beri Vysya / Beri Chetty]  
 41 \*[Atirasa]  
 42 Sondi / Sundi  
 43 Varala  
 44 Sistakaranam  
 45 Lakkamarikapu  
 46 Veerashaiva Lingayat / Lingabaliya  
 47 Kurmi

**GROUP-E**  
**(Socially and Educationally Backward Classes of Muslims)**  
**(Subject to outcome of Civil Appeal No(s).2628-2637/2010 etc., pending before the Hon'ble Supreme Court of India)**

- 1 Achchukattalavandlu, Singali, Singamvallu, Achchupanivallu, Achchukattuvaru, Achukatlavandlu  
 2 Attar Saibulu, Attarollu

- 3 Dhobi Muslim/ Muslim Dhobi/ Dhobi Musalman, Turka Chakla or Turka Sakala, Turaka Chakali, Tulukka Vannan, Tsakalas, Sakalas or Chakalas, Muslim Rajakas
- 4 Faqir, Fhakhir Budbudki, Ghanti Fhakhir, Ghanta Fhakhiru, Turaka Budbudki, Darvesh, Fakeer
- 5 Garadi Muslim, Garadi Saibulu, Pamulavallu, Kani-Kattuvallu, Garadollu, Garadiga
- 6 Gosangi Muslim, Phakeer Sayebulu
- 7 Guddi Eluguvallu, Elugu Bantuvallu, Musalman Keelu Gurravallu
- 8 Hajam, Nai, Nai Muslim, Navid
- 9 Labbi, Labbai, Labbon, Labba
- 10 Pakeerla, Borewale, Deera Phakirlu, Bonthala
- 11 Qureshi, Kureshi/ Khureshi, Khasab, Marati Khasab, Muslim Katika, Khatik Muslim
- 12 Shaik/ Sheikh
- 13 Siddi, Yaba, Habshi, Jasi
- 14 Turaka Kasha, Kakkukotte Zinka Saibulu, Chakkitakanevale, Terugadu Gontalavaru, Thirugatigantla, Rollaku Kakku Kottevaru, Pattar Phodulu, Chakketakare, Thuraka Kasha

---

\* omitted vide G.O Ms.No.3, BCW(OP) Dept., Dated:14.08.2014

- N.B.:
1. The above list is for information and subject to confirmation with reference to G.O.Ms.No. 58, SW(J) Department, dated 12.05.1997 and time to time orders.
  2. On account of any reason whatsoever in case of any doubt/ dispute arising in the matter of community status (SC/ST/BC/OC) of any candidate, subject to satisfaction with regard to relevant rules and regulations in force the decision of the Commission shall be final in all such cases.