

**ANNEXURE-II**

(para 7.1.1 refers)

**Age Estimation Format**

Space for colour photograph
attested            by Gazetted officer

**A. Informed consent**

**B.**

I ..... S/D/O or Guardian of .....  
voluntarily give my consent for complete medical examination for the purpose of age  
estimation. I understand that this examination may involve physical examination  
including genital examination, dental examination and radiography. The purpose,  
procedure and use of such examination have been explained to me in the language  
which I understand.

**Signature of the candidate/ guardian:**

**Signature of the accompanying person/witness:**

**( Note: Consent by guardian is essential in respect of athletes below 12 years)**

**C. Preamble**

1. Age category.....
2. Sports Discipline.....
3. Events to be participated .....
4. Case Serial No.....
5. Name.....
6. Age as stated (Any documentary evidence like birth certificate)  
.....
7. Sex.....
8. Permanent Address.....  
.....  
.....

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9. Corresponding address.....  
.....  
.....
10. Name of school/college/Institute.....
11. Tel. No. & e-mail.....
12. Father's name.....
13. Mother's name.....
14. Blood Group .....
15. Name of the person accompanying.....
16. Date and Time of examination.....
17. Place of examination.....
18. Marks of identification ( Scar/mole/deformity,etc.) :
- 1.....
- 2.....
16. Thumb impression ( right in female and left in male)
17. Signature

**D. General Physical Examination**

1. Height ( cm ):
2. Weight (kg):
3. Chest girth at the level of nipples:
4. Abdominal girth at the level of naval:
5. For calculating Body development index ( BDI ) :
  - I. Biacromial breath(cm):
  - II. Biliospinale breath (cm):
  - III. Forearm circumference(cm) in males:
  - IV. Mid thigh circumference(cm) in females:
6. Voice ( Hoarseness of voice ):

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**E. Dental Examination**

- i. Dental ( S ) 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 ( S )  
 Data:  
 ( Rt. ).....( L t.)  
 ( S ) 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 ( S )
- a. Temporary  
 b. Permanent  
 c. Space for third molar( S )  
 d. Partially erupted/completely erupted
- ii. Dental X- ray : Oral pantogram (OPG)  
 iii. Dental X- ray findings :

**F. Radiological Examination/MRI/CT Scan (as applicable)**

**Note :** A single film of hand and wrist is sufficient for age below 13 years. Wherever radiological examination is not indicated MRI/CT Scan may be done.

1. X-ray advised ( as per requirements ):  
 i. Shoulder joint : A.P view  
 ii. Elbow joint : A.P and lateral view  
 iii. Hand with wrist : A.P view  
 iv. Pelvis with hip joint : A.P view
2. Date of radiological examination:
3. Name of the radiographer :

Radiological findings:

S.no.	X-ray advised	Findings	Age inference
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**G. Age Certificate**

After performing general physical, dental and radiological examination, we are of the considered opinion that the biological age of the person is about..... years which is consistent not consistent with birth certificate/ age document.

**Dated :**

**Signature:**

**Name**

**:**

**Designation:**

**(All the parameters should be considered for the age estimation )**

**H. Body development index method : Optional method**( BDI method is valid upto 18 years)

$$\text{BDI} = \frac{\text{Middle breadth} \times 2 \text{ forearm circumference ( corrected )}}{\text{Body height} \times 10}$$

$$\text{Middle breadth} = \frac{\text{Biacromial breadth} + \text{Biliospinale B breadth}}{2}$$

**Forearm circumference (corrected)** = Forearm circumference given – Rohrar index (RI)  
(Corrected)

$$\text{Rohrar index} = \frac{\text{Body weight (kg)}}{\text{Body height}^3 \times 10} = \frac{\text{Kg}}{\text{M}^3 \times 10}$$

**Corrected Rohrar index** = Corresponding corrected value to the calculated Rohrar index  
(Correlate with table 1 : Rohrar index – corrected value )

**Biological age** = Corresponding age to the BDI index value  
(Correlate with table 2 : Mean value of body development index children, wutschrk, 1973 )

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**Table-1: ROHRAR INDEX AND CORRECTED VALUE**

<b>RI</b>	<b>Correction</b>	<b>RI</b>	<b>Correction</b>	<b>RI</b>	<b>Correction</b>
0.90	+3.7	1.13	0.0	1.36	-3.7
0.91	+3.5	1.14	0.2	1.37	-3.8
0.92	+3.4	1.15	0.3	1.38	-4.0
0.93	+3.2	1.16	0.5	1.39	-4.2
0.94	+3.1	1.17	0.6	1.40	-4.3
0.95	+2.9	1.18	0.8	1.41	-4.5
0.96	+2.7	1.19	1.0	1.42	-4.7
0.97	+2.6	1.20	1.1	1.43	-4.8
0.98	+2.4	1.21	1.3	1.44	-5.0
0.99	+2.3	1.22	1.5	1.45	-5.1
1.00	+2.1	1.23	1.6	1.46	-5.3
1.01	+1.0	1.24	1.8	1.47	-5.5
1.02	+1.8	1.25	1.9	1.48	-5.6
1.03	+1.6	1.26	2.1	1.49	-5.8
1.04	+1.5	1.27	2.3	1.50	-5.9
1.05	+1.3	1.28	2.4		
1.06	+1.1	1.29	2.6		
1.07	+1.0	1.30	2.7		
1.08	+0.8	1.31	2.9		
1.09	+0.6	1.32	3.1		
1.10	+0.5	1.33	3.2		
1.11	+0.3	1.34	3.4		
1.12	+0.2	1.35	3.5		

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**Table-2 Mean Values of Body Development Index of GDR Children( WUTSCHRK, 1973)**

<b>Biological Age in Years</b>	<b>Boys</b>	<b>Girls</b>
4	0.52	0.52
5	0.57	0.57
6	0.57	0.61
7	0.59	0.64
8	0.62	0.67
9	0.65	0.70
10	0.67	0.73
11	0.69	0.75
12	0.70	0.75
13	0.72	0.79
14	0.80	0.84
15	0.83	0.87
16	0.84	0.88
17	0.86	0.91
18	0.90	0.97
Adult	<b><u>0.00</u></b> <b><u>(?)</u></b>	0.97

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