

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 ofvoluntarily 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.....
.....
9. Corresponding address.....
.....
10. Name of school/college/Institute.....

11. Tel. No. & e-mail.....
12. Father's name.....
13. Mother's name.....
14. Name of the person accompanying.....
15. Date and Time of examination.....
16. Place of examination.....
17. 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):

E. Dental Examination

- i. Dental Data: (S) 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 (S)
 (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)

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

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

$$\text{Forearm circumference (corrected)} = \text{Forearm circumference given} - \text{Rohrar index (RI) (Corrected)}$$

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

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)

Table-1: ROHRAR INDEX AND CORRECTED VALUE

RI	Correction	RI	Correction	RI	Correction
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		

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

Biological Age in Years	Boys	Girls
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	<u>0.00 (?)</u>	0.97
