



Government of West Bengal  
Directorate of Health Services (HCP under NHM)  
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Memo : HFW-27025/31/2022-NCD SEC-Dept. of H&FW/Thal/612

Date : 24.08.2022

### ORDER

In pursuance to the order vide memo no 190 HFW-27025/11/2022 NCD SEC for disability certification in respect of blood related disorder like Thalassemia, Hemophilia, Sickle cell anemia will henceforth be issued at Thalassemia Control Unit. An order is issued regarding disability grading of blood related disorder for issuance of disability certificate at the Thalassemia Control Units located at MCH/ District/Sub-division level is as follows:

#### Disability Grading of Thalassaemia

Level of Disability	Disability Grading	Assessment of disability
Level 1	< 40%	Asymptomatic and no BT requirement.
Level 2	41-50%	Thalassaemia Major with monthly BT requirement but Haemoglobin maintained at 10 g/dl. Exertional dyspnoea on walking few yards more than class 2 as per NYHA and AHA.
Level 3	51-60%	Thal-major with monthly BT with signs of bone marrow hyperplasia and osteoporosis decided by bone DEXA scan.
Level 4	61-65%	Level 3 plus Iron chelator requirement osteoporosis and Serum ferritin less than 1000ng/ml.
Level 5	66-70%	Level 4 plus with Bimonthly BT requirement.
Level 6	71-75%	Level 5 plus Thal major more than bimonthly BT requirement with features of hypersplenism and more than 250 ml packed cell transfusion/Kg per year.
Level 7	76-79%	Level 6 plus Thal major with splenectomy with infection
Level 8	80-85%	Level 7 plus haemosiderosis and serum ferritin level > 1000ng/ml and with multi organ failure decided by Echocardiogram, LFT and GTT.
Level 9	>85%	Level 8 plus with BT associated infections like HBV, CMIV, HIV, HBC etc.

#### Disability grading of Sickle cell anemia

Level of Disability	Disability Grading	Assessment of disability
Level 0	< 40%	Homozygous sickle cell disease but asymptomatic-but has got mild pallor (HCT 30) and splenohepatomegaly and diagnosis confirmed by Hb electrophoresis.
Level 1	< 40%	Sickle cell anemia such as (HbSS), compound heterozygous (HbS/β) thalassaemia, HbSD, and HbO <sup>Arab</sup> , anaemia that is severe and chronic, with persistent haemocrit of 26% or less, and symptomatic, requiring blood transfusions to maintain the HbS level ≤30% and Transfusion Dependant and symptomatic as per New York Heart Association (NYHA) more than class 2.
Level 2	41-50%	Level 1 plus Painful crisis due to blood clots in blood vessels at least three times in the past five months (vasoocclusive crisis or thrombotic crisis).
Level 3	51-60%	Level 2 plus Hospitalization beyond that of emergency care at least three times in the past 12 months (could be due to aplastic episodes, haemolytic crisis, strokes, heart problems, kidney failure or pneumonia).
Level 4	61-65%	Level 3 plus Functional impairment caused by sickle cells that meet another disability listing due to avascular necrosis, osteomyelitis, and bone infarction of multiple joints, stroke and transient Ischemic Attack (TIA), leg ulcers. —should be referred to multidisability

Level 5	66-70%	Level 4 plus Permanent Loss of spleen function or chronic hypersplenism with recurrent infections( more than 3 in last 6 months)
Level 6	71-75%	Level 5 plus Complications like impaired neuropsychological function with abnormal cerebral MRI scan, sickle nephropathy, sickle cell lung disease, bilateral proliferative retinopathy leading to loss of vision and chronic liver disease.
Level 7	76-79%	Level 6 plus Impaired cardiac function due to end organ damage measured by functional ECHO Cardiography.
Level 8	80-85%	Level 7 plus Sickle cell anemia with BT associated complications due to infections like HBV, CMIV, HIV, HBC etc.

**Disability grading for Hemophilia**

Disability score	Percentage of normal factor activity in blood	Clinical severity
10-20%	>5%	Asymptomatic but family history is positive and limitation of physical contact sport advised and abnormal APTT.
21-39%	1-5%	Above plus occasional spontaneous bleed.
40-50%	<1%	Above plus symptomatic with 2 bleeds in joints with limitation of full movement- need to be assessed by orthopedician/physiatrist/PMR.
51-60%	<1%	Above plus bleeds at least 3 times in last 5 months and contracture in one joint.
60-79%	<1%	Above plus intracranial bleed once or limitation/contracture in two joints.
80-85%	<1%	Above plus neurological sequel or with compartmental syndrome with Limb weakness.

Disability Board of Blood Disorders at TCU levels should abide by the above grading while issuing Disability certificate. All formats are same as used in Disability Board already functional

*Dr. 24/08/2022*  
**Director Of Medical Education**  
 Dept. of H & FW  
 Govt. of West Bengal

*Dr. 24/08/2022*  
**Director Of Health Services**  
 Dept. of H & FW  
 Govt. of West Bengal

**Memo No:** HFW-27025/31/2022-NCD SEC-Dept. of H&FW/*mal/61211(23)*

**Date:** *24.08.2022*

Copy for information and necessary action to the:

- District Magistrate, \_\_\_\_\_ (All)
- MD, NHM, Dept. of Health & Family Welfare, Govt. of West Bengal
- Project Director, WBSAPCS & Secretary, Dept. of Health & Family Welfare, Govt. of West Bengal.
- Director Public Health, Dept. of Health & Family Welfare, Govt. of West Bengal.
- Jt. Secretary (PHP) Dept. of Health & Family Welfare, Govt. of West Bengal.
- SFWO, Dept. of Health & Family Welfare, Govt. of West Bengal.
- Jt. DHS (NCD), Dept. of H & FW, Govt. of West Bengal.
- Programme Officer – I, NHM, Dept. of Health & Family Welfare, Govt. of West Bengal.
- Programme Officer – II, NHM, Dept. of Health & Family Welfare, Govt. of West Bengal.
- The Director, Institute of psychiatry, Kolkata
- Principal/MSVP.....(All MCH)
- Dy. DHS (NCD-II), Dept. of Health & Family Welfare, Govt. of West Bengal.
- ADHS (NCD-I), Dept. of Health & Family Welfare, Govt. of West Bengal
- ADHS (NCD-II), Dept. of Health & Family Welfare, Govt. of West Bengal
- State Programme Officer, Blood Services & HCP, Govt. of West Bengal.
- CMOH.....(All Districts/Health Districts)
- Dy. CMOH-II, \_\_\_\_\_ (All Districts/Health Districts).
- Sr. PA to Principal Secretary, Dept. of Health & Family Welfare, Govt. of West Bengal
- The Superintendent.....(All Hospitals)
- Medical Officer / In-Charge, Thalassemia Control Units.....(All)
- Sr PA to principal Secretary, Child Development Department and Women Development & Social welfare Department, Bikash Bhawan, Salt Lake, Kolkata-700091
- IT Cell of this Department for uploading in the website
- Office Copy.

*S. K. Choudhary*  
**Dy. DHS (NCD-I)**  
 Govt. of West Bengal. *24/8/2022*