



सत्यमेव जयते

अधीक्षण अभियंता  
स्वास्थ्य सिविल परिमंडल-II  
लो०नि०वि०, दिल्ली सरकार,  
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No.:23(Inspection)/अधी०अभि०स्वा०-2 / लो०नि०वि० / 2022-23 / 60-TE

Dated: 06/01/23

### INSPECTION NOTE

**Name of Work:** Setting up of semi-permanent/temporary ICU Hospitals at Chacha Nehru Bal Chikitsalaya (G+4) (596 Beds) and GTB Hospital (G+4) (1912 Beds) - Package-II.

**Agmt. No.:** 10/EE/HMSD(N)/2021-22

An inspection was done by the undersigned for the works of "ICU Hospital at CNBC Hospital" on 05/01/2023 in the presence of the following officials:

**From PWD:**

1. Sh. P.R. Charan Babu, EE, HPD-East.
2. Sh. D.K. Jaiswal, AE, HPD-East, CNBC Hospital.

**From Agency:**

3. Sh. Mudit Aggarwal M/s SIBPL

**From Consultant:**

4. Sh. K.B. Gupta M/s Arcop

**From TPQA:**

5. Sh. A.K. Pandey M/s RITES

**CNBC Hospital:**

The work of fire & PU paint, Dry wall partitions, external façade puff panel, toilets brick work, tile work, structural glazing, ACP etc. were in progress.

During the inspection, the following points were observed:

1. The agency told that 400 nos. labours has been deployed.

**2. Observations during inspection dated 25/11/2022:**

It was seen that at few places, the vertical aluminium members of slimline partition were not fixed to RCC roof. In fact, the AC duct was placed in the alignment of vertical aluminium members. The necessary rectification to be done by fixing the vertical members to the ceiling.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done. It is further noticed that some of the vertical members of the slim line partitions were not in alignment. Hence, the necessary rectification to be made.



3. **Observations during inspection dated 25/11/2022:**

It was seen that at many places, the putty and paint done on the dry wall partition were very much undulated and not in true finish level. The necessary rectifications to be done on priority, so that the dry wall surface comes in true level. It was also suggested to use the machines for rubbing of putty for quality work as well as early execution. The proper levelled putty and smooth paint surface to be ensured by the agency and PWD officers.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done. Still the undulation was persisting on many surfaces. The necessary rectification for the same to be done on priority.

4. **Observations during inspection dated 25/11/2022:**

The slope in toilet flooring and other areas to be ensured for proper drainage of surface water.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done.

5. **Observations during inspection dated 25/11/2022:**

During previous visits, it was always directed to put the traps as near as possible to the wall in toilets. But, it was noticed that at some places, the trap were place far away from the wall. The necessary rectification for the same to be done by agency before further executing the work.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done.

6. **Observations during inspection dated 25/11/2022:**

It was seen that the EPDM was not provided in fixing the glass in the slim line partition. The necessary rectification to be done on priority.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

No action has been taken yet. The compliance of the same to be done.

7. **Observations during inspection dated 25/11/2022:**

It was seen that the joints of granite placed in the staircase landing portion was not in level. The same needs to be corrected by replacing the granite.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done. No action has been taken by the agency. It is also noticed that the granite edges are not sharp and damaged during the cutting. It is felt that the damaging of the granite slab edges is done due to poor quality of the blades used. All such pieces of the granite need to be replaced including at the undulated joints.



8. **Observations during inspection dated 25/11/2022:**

The work of structural glazing and ACP was in progress. It is to be ensured that the material used in these works are as per nomenclature of the items and specifications.

**Observations during inspection dated 20/12/2022:**

The compliance of the same to be done.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done.

9. **Observations during inspection dated 20/12/2022:**

It was seen that at many places, the dry wall partition was not in level. The necessary rectification to be done, so that the dry wall surface comes in true level.

**Observations during inspection dated 05/01/2023:**

No action has been taken yet. The compliance of the same to be done.

10. **Observations during inspection dated 20/12/2022:**

It was seen that the joints of dry wall partition / external wall board of calcium silicate and cement fibre board were not chamfered at many of the places and joint filling and putty were done, which may lead to cracks at the joints of the boards in the future. However, as per the installation methodology of the calcium silicate / cement fibre board to be used in internal partitions as well as external wall, the chamfering is to be done at all joints and further to be treated with jointing compound as well as jointing tape.

The necessary rectifications is to be done at all joints as per the methodology already submitted by manufacturer.

**Observations during inspection dated 05/01/2023:**

No action has been taken yet. The compliance of the same to be done.

11. **Observations during inspection dated 20/12/2022:**

It was also noticed that the proper epoxy paint has not been applied over the sub-frame members of the puff panel. The epoxy paint to be applied properly on all the external puff panel frames before fixing puff panels.

**Observations during inspection dated 05/01/2023:**

No action has been taken yet. The compliance of the same to be done.

12. **Observations during inspection dated 20/12/2022:**

The pressure test of water supply lines and the smoke test for the sanitary lines to be ensured and toilet wise record to be generated.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done.

13. **Observations during inspection dated 20/12/2022:**

It was seen that the safety provisions in the staircase area, duct area, around the building envelope were not provided. It is to be ensured that the safety provisions should be provided as per the safety norms on immediate basis to avoid any mishappening.

**Observations during inspection dated 05/01/2023:**

No action has been taken yet. The EE to ensure that no works to be progressed without safety provisions.



**14. Observations during inspection dated 20/12/2022:**

It was seen that there was gap between the dry wall partition and the fire doors, which is not acceptable. The necessary rectifications to be done on priority.

**Observations during inspection dated 05/01/2023:**

The compliance of the same to be done.

**15. Observations during inspection dated 20/12/2022:**

It was seen that the false ceiling provided in the corridors was not in the line and level. The necessary rectifications to be done on priority.

**Observations during inspection dated 05/01/2023:**

No action has been taken by the agency. The compliance of the same to be done on priority.

**16. Observations during inspection dated 20/12/2022:**

It was seen that the work of STP, ETP, Sub-Station etc. were not started by the agency. The same to be treated as a hindrance from the agency side.

**Observations during inspection dated 05/01/2023:**

No action has been taken by the agency. The compliance of the same to be done on priority.

17. It was seen that in one of the staircases the plate of the bracing members was cut down at the joint with column, even more than 50% as the other horizontal steel beam was coming in the alignment. As the area of welding of the bracing with the column was reduced significantly, may lead to failure of the joint. The same to be redesigned and necessary modifications to be done. It is to be ensured that the load / moments are transferring properly from bracing to the column.

18. It was seen that horizontal steel beams framing was provided for chillers above the terrace floor, for which no provision was taken in the original scope. Further, it was learnt that MEP consultant required some checkered plate flooring above this horizontal beams framing. As the amount of the tender is already deviating, the Executive Engineer was asked to ascertain all the requirement from the EE(E) before executing the work.

19. It was learnt from the agency that the consultant has proposed a heavy structure to the tune of 14-15 tones above roof for display of hospital name. It is felt that such a huge structure for display purpose is not desired at all. The Executive Engineer to take up the matter with the consultant to provide the structure with minimum steel weight.

It is seen that the drawings issued by the consultant M/s Arcop Associates is not in the line with the agreement. Hence, it was directed to M/s Arcop to issue the drawings only as per the items and quantities taken in the agreement. No deviations from the agreement is permitted.

It was seen that no representative of TPQA (RITES) was available during the inspection. It was also felt that the TPQA is not attending the site on regular basis and discharging their duties with due diligence, that's why so many defects are being seen at the site. Hence, it was directed that the observations to be submitted by the TPQA to the Assistant Engineer on daily basis in the evening and if the compliance is not made by the agency, the same to be elevated to the Executive Engineer.

**The progress of the above work is very slow and to be expedite by the contractor by deploying more resources like man, materials & machinery and start the other finishing activities on top priority, so that the already lost time can be make up. The procurement of each and every material to be done on priority, so that the work does not suffer from the non-availability of material.**



Executive Engineer to monitor the progress and the compliance of the above observations are to be sent on priority. The Executive Engineer also to ensure that the work is being executed as per the approved drawings and agreement.

( मनोज कुमार )

अधीक्षण अभियन्ता, स्वास्थ्य परिमंडल-2

प्रतिलिपि:

- 1- मुख्य अभि०(अन्य परियोजनाएँ)—कोविड, लो०नि०वि०, 13वां तल, बहुमंजिला भवन, दिल्ली को सूचनार्थ हेतू प्रेषित।
- 2- अधीक्षण अभियंता (वै०), स्वा०वै०परि०, लो०नि०वि० 2रा तल, एम०एस०ओ० भवन, दिल्ली को सूचनार्थ हेतू प्रेषित।
- 3- कार्य०अभियंता (सि०), स्वा०परि०मं०—पूर्व, लो०नि०वि०, शाहदरा, दिल्ली को सूचनार्थ एवं आवश्यक कार्यवाही हेतू।  
The decisions to be incorporated in the other sides also after discussion. The EE should have a close watch on the expenditure incurred and future liabilities for every site. In no case, the amount should deviate the provision taken in A/A & E/S. It is felt that due to necessary deviations and extra items, the total amount may go beyond the provisions taken in the A/A & E/S. Hence, the RPE to be submitted on immediate basis.
- 4- कार्य०अभि० (वै०), स्वा०परि०वै०मं०—पूर्व, लो०नि०वि०, शाहदरा, दिल्ली को सूचनार्थ एवं आवश्यक कार्यवाही हेतू।
- 5- वर्क फाइल 23(56)

अधीक्षण अभियन्ता, स्वास्थ्य परिमंडल-2