



सत्यमेव जयते

अधीक्षण अभियंता

स्वास्थ्य सिविल परिमंडल-II

लो०नि०वि०, दिल्ली सरकार,

डा० बी०एस०ए० अस्पताल परिसर,

सैक्टर-6, रोहिणी, नई दिल्ली-110085

दूरभाष: 011-27933240, 27933378

राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार
GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI
लोक निर्माण विभाग
PUBLIC WORKS DEPARTMENT
e-mail: pmpwddelhihealth2@gmail.com



SUPERINTENDING ENGINEER

HEALTH CIRCLE (CIVIL)-II,

PWD, GOVT. of NCT DELHI,

DR. B.S.A. HOSPITAL COMPLEX,

SECTOR-6, ROHINI, NEW DELHI - 110085

PHONE: 011-27933240, 27933378

No.:23(Inspection)/अधी०अभि०स्वा०-2 / लो०नि०वि० / 2022-23 / 2628-H

Dated: 21/12/22

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 Hospitals at CNBC & GTB Hospital" on 20/12/2022 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.
3. Sh. Dharmendra, AE, HPD-East, GTB Hospital.
4. Sh. Kanhaiya Shah, EE(E), HPED-East
5. Sh. Mukesh Kumar, AE(E), HPED-East

From Agency:

6. Sh. Mudit Aggarwal M/s SIBPL

From Consultant:

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

From TPQA:

8. 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.

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.

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.

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.

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.

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.

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.

9. 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.

10. 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.

11. 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.
12. 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.
13. 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.
14. 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.
15. It was seen that the false ceiling provided in the corridors was not in the line. The necessary rectifications to be done on priority.
16. 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.

GTB Hospital:

The work of fire & PU paint, Dry wall partitions, external façade puff panel, toilets brick work, tile work, staircase erection, diagnostic block etc. were in progress.

During the inspection, the following points were observed:

1. The agency told that 700 nos. labours has been deployed.
2. It was seen that the steel structure and the diagnostic block structure is not completed even after lapse of one year from date of start. The agency during the site visit, repeatedly ensured to complete the structure long back in August 2022, then September 2022, then October 2022, then November 2022, but failed to complete the structure till today.
3. 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. It was also suggested to use the machines for rubbing of putty for quality work as well as early execution.
4. 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.

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

It was seen that the MS Steel Supporting Members provided in lift area were without primer, causing the rusting in the members. It may further rust the already provided main members, to which these members were welded. Hence, the necessary rectifications to be done on priority and it may be ensured that no steel members to be provided without priming coat.

Observations during inspection dated 20/12/2022:

The compliance of the same to be done.

6. **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.

7. **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.

8. It was seen that at many places, the fire paint layer is damaged totally due to not covering it with the PU paint. At all such locations, the fire paint / PU paint to be removed completely and repainted with the fire paint of the approved DFT and to be immediately covered with PU paint.
9. 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.
10. 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.
11. 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.
12. The agency submitted that as per drawings, in the AHU rooms, the louvers in the external walls are not placed at proper location. The Executive Engineer (E) and Executive Engineer (C) were asked to resolve the issue in consultation with the consultant.
13. It was seen that the steel plate provided in RCC beam to connect the factory fabricated steel beams was not as per the drawings. Further, to make up, the agency has welded the additional piece of the plate in the original. This is not acceptable and the same needs to be removed and executed as per the drawings.
14. 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.

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 हेतु प्रेषित।
- 2- अधीक्षण अभियन्ता (वै०), स्वा०वै०परि०, लो०नि०वि० 2रा तल, एम०एस०ओ० भवन, दिल्ली को सूचनार्थ हेतु प्रेषित।
- 3- कार्य०अभियन्ता (सि०), स्वा०परि०मं०—पूर्व, लो०नि०वि०, शाहदरा, दिल्ली को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।
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 हेतु।
- 5- मैसर्स आरकॉप एसोसिएट्स, ए-15, पम्पोश इन्कलेव, ग्रैटर कैलाश-1, दिल्ली-110048
- 6- वर्क फाइल 23(56)



अधीक्षण अभियन्ता, स्वास्थ्य परिमंडल-2