



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

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SUPERINTENDING ENGINEER

HEALTH CIRCLE (CIVIL)-II,

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No.:23(Inspection)/अधी०अभि०स्वा०-2 / लो०नि०वि० / 2022-23 / 2600-H Dated: 15/12/22

INSPECTION NOTE

Name of Work: Setting up of semi-permanent/temporary ICU Hospitals at Shalimar Bagh (G+3) (1430 Beds), Kirari (G+4) (458 Beds) and Sulatanpuri (G+3) (525 Beds) - Package-I.

Agmt. No.: 09/EE/HMD(N)/PWD/2021-22

An inspection was done by the undersigned for the work of "ICU Hospital at Shalimar Bagh, Delhi" on 13/12/2022 in the presence of the following officials:

From PWD:

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|---------------------|---------------|
| 1. Sh. Pawan Kumar | EE, HMD-North |
| 2. Sh. Rahul Pratap | AE, HMD-North |

From Agency:

- | | |
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| 3. Sh. Karan Aggarwal | M/s SIBPL |
|-----------------------|-----------|

From Consultant:

- | | |
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| 4. Sh. K.B. Gupta | M/s Arcop |
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Shalimar Bagh Hospital:

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

During the inspection, the following points were observed:

1. **Observations during inspection on 06/10/2022:**

During previous inspections, it was noticed that structural PEB members in staircase in Wing-1 were not as per approved shop drawings. The members were inclined / not in proper alignment and not supporting the structure placed above these members. In some of the members, the connecting plates were not in the alignment of the members.

The PEB work of complete site to be checked and necessary rectification to be done in members which are not as per the shop drawings. No tolerance is accepted in execution of the structural work. The compliance report is still to receive.

This is again reiterated that the erection of PEB steel structural members is very important activity and to be executed as per approved shop drawings without any deviation.

Observations during inspection on 13/12/2022:

The compliance of the same to be done.

2. **Observations during inspection on 06/10/2022:**

It was again noticed that even after observations raised during previous inspections, at many places the undersized HSFG bolts have not been changed yet by the agency. The some of the structural members are not completely bolted with HSFG bolts.

This is very serious concern and already raised during previous inspections, but no significant action has been taken up. The further work to be executed only after completing the necessary corrections in the steel structure work.

Observations during inspection on 13/12/2022:

The compliance of the same to be done.

3. **Observations during inspection on 06/10/2022:**

It was seen that the work of fire paint was not being executed at all. Further, 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 to be removed completely and repainted with the fire paint of the approved DFT and to be immediately covered with PU paint.

Observations during inspection on 13/12/2022:

The compliance of the same to be done.

4. **Observations during inspection on 06/10/2022:**

It was also seen that the brick work in toilets were done up to bottom of the beams without applying the fire and PU paint. All such brick work to be removed and to be done only after providing the fire and PU paint. In other locations also, fire and PU paint to be applied before brick work.

Observations during inspection on 13/12/2022:

The compliance of the same to be done.

5. **Observations during inspection on 06/10/2022:**

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 on 13/12/2022:

The compliance of the same to be done.

6. **Observations during inspection on 06/10/2022:**

The AHUs were placed before proper polishing and finishing of the kota stone flooring. Some of the kota stone pieces were weathered and broken. All such defective kota stone pieces to be replaced with proper material. The AHUs to be removed and to be placed only after proper rubbing / polishing / finishing of the kota stone.

Observations during inspection on 13/12/2022:

The compliance of the same to be done.

7. **Observations during inspection on 06/10/2022:**

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. The slope in toilet flooring and other areas to be ensured for proper drainage of surface water. One sample toilet with all plumbing / sanitary lines to be made and got approved before going ahead further.

Observations during inspection on 13/12/2022:

The compliance of the same to be done.

8. 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.
9. 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.
10. It was seen that the AHU was placed in the AHU Room on RCC Blocks of 15 cm. x 15 cm. at edges. However, the slab must be designed to take uniform load of the AHU. The same point was raised during previous inspection of Shalimar Bagh. The Executive Engineer to ensure that the placement of the AHU in the AHU room to be done as per design.
11. It was seen that the major efflorescence was coming on the brick work. That may be due to problem in bricks itself or due to use of salty water in the curing. The brick work, where efflorescence is reflecting is to be dismantled and redone with the tested bricks. **It is to be ensured that the water used in the construction is as per specifications.**
12. 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.
13. It was seen that the work of structural glazing has not been started due to non-procurement of material and non-submission of shop drawings of structural glazing by the agency.
14. 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.

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. To make up for the lost time and to complete the work at the earliest, the labour is to be engaged in 3 shifts, round the clock, on the all the activities. 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, 2रा तल, एम०एस०ओ० भवन, नई दिल्ली को सूचनार्थ हेतु।
 - 3- कार्य०अभियन्ता (सि०), स्वा०अनु०मं०-उ०, लो०नि०वि०, रोहिणी, 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. If it is felt that the total amount is going beyond the provisions taken in the A/A & E/S, the RPE to be submitted on immediate basis. In no case, the amount should deviate the provision taken in A/A & E/S.
- 4- मैसर्स आरकॉप एसोसिएट्स, ए-15, पम्पोश इन्कलेव, ग्रैटर कैलाश-1, दिल्ली-110048
 - 5- वर्क फाइल 23(56)



अधीक्षण अभियन्ता, स्वास्थ्य परिमंडल-2