



राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार  
GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI  
लोक निर्माण विभाग  
PUBLIC WORKS DEPARTMENT

कार्यालय अधीक्षण अभियन्ता  
शिक्षा अनुरक्षण इकाई-1  
रिंग रोड बाई पास फ्लाईओवर के नीचे,  
आईजीआई स्टेडियमगेटसंख्या 9 के  
सामने

OFFICE OF THE SUPERINTENDING ENGINEER  
EDUCATION MAINTENANCE UNIT-1  
RING ROAD BYPASS BELOW FLYOVER,  
OPPOSITE I.G.I. STADIUM, GATE No.-9,  
I.P. ESTATE, NEW DELHI-110002  
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संख्या: 23(7)/अधी.अभि. (शिक्षा) /अनु. ई.-1/लोनिवि/2023-24/44

दिनांक: 31 जुलाई 2023

### INSPECTION NOTE

Following work under East & North East Division (Education) was inspected on 28.07.2023 (Friday) along with Shri S K Meena EE (E & NE), Shri J K Singh AE (C) and Shri Gajendra Saini JE (C) and contractor (did not turn up) / his representative(s) Shri Ved Prakash.

- Name of the work:** C/o 76 Nos. Additional (G+3) SPS equivalent classrooms including 5 staircases, 1 Ramp, 1 Lift, 8 Toilet Blocks in SKV Vishwamitra, Old Seemapuri, Delhi (School Id 11006021) including internal & external water supply, sanitary installations, electrical installations, development of site, UGR, RWH, Fire Fighting system & providing furniture etc.)  
**A/A & E/S Details:** ₹ 23.38 Crore vide no.F16/Estate/DoE/Const.rooms/SKV / Vishwamira/Old Seemapuri/2317-21 dated 27.09.2021  
**Agreement No.:** 03/EE Edu M (E&NE)/PWD/2021-22  
**Agency:** M/s K L ARORA  
**Date of Start:** 18.04.2022  
**Stipulated Date of Completion:** 13.03.2023 (330 days)  
**Estimated Cost:** ₹ 17,13,25,682/-  
**Agreement Amount:** ₹ 10,90,67,023/- (36.00 % below)  
**Expenditure:** ₹ 4,52,06,317/- (6<sup>th</sup> RA Bill dated 20.07.2023) civil works against agreement;

Observations are as under:

- I. Progress of the work is very slow; presently structural works of Left Side Block is completed but in Right side block RCC columns, beams at 3<sup>rd</sup> floor level are in progress. In physical / financial terms only about 50-60% progress is made whereas stipulated time period for completion of the work is already over. Contractor to submit detailed program as per agreement conditions to expedite progress including arrangements of man & materials and completion of the whole project by October - November 2023.
- II. Atleast one Sample room, toilet, corridor with doors and windows, flooring, finishing, fittings & fixtures including water supply, drainage & electrical works etc (complete in all



- respect) to be made ready preferably within 15 days as per the agreement items, provisions, architectural drawings etc for approval.
- III. Finishing works including development works in the left side tower to be initiated and completed within next two months positively after approval of sample room, for use by the school authority.
  - IV. Steel Reinforcements: Ductile detailing in the Longitudinal Reinforcement (not more than 50 % of area of steel bars shall be spliced at any one section) & Transverse Reinforcement (shall have 135 degree hook end with an extension of 6 times diameter, but not less than 65 mm) as per IS 456, 13920 (latest) etc are lacking at site in the columns under construction.
  - V. RCC work:
    - a) Honey combing, undulations etc are visible in the RCC members (column, beams, Staircase waist slab) are to be corrected by the agency. EE to ensure proper centering & shuttering, placement of the steel before pouring of the concrete and compaction to avoid such defects.
    - b) Date of casting of RCC members, walls, plaster etc to be written therein to ensure desired curing of the structure to gain the strength as per codal, agreement provisions.
  - VI. All materials i.e. Cement, Steer, Sand, Water etc being used in the construction are to be tested at required frequency to ensure suitability of raw materials for construction especially for RCC members.
  - VII. Work Registers are not docketed by EE with Serial numbers of issue, to be docketed now. Registers are required to be reviewed frequently by EE. This has been requested in inspection notes also issued earlier for other works.
  - VIII. Details i.e. Voucher Number, Brand Name and Batch Number etc of Cement, Steel etc are to be mentioned in the MAS Register.
  - IX. EE to ensure that overall expenditure do not exceed the sanctioned / agreement amount (including electrical works).
  - X. Contractor himself to be called as his representatives was not able to make any commitments. He has to visit site regularly and to monitor the work to expedite the progress as complete site is available for execution of the work, but it is found that very less workers are engaged. It may be made clear that class rooms are urgently required for students, there is no hindrance at site and contractor himself will solely be liable for initiation of the action as per T&C of the contract on account of delay in the work.

Beside above, following suggestions may also be considered:

- a) Air Pollution Control measures (installation of Anti Smog Gun, covering of site / construction materials, excavated earth, covering of materials in transportation vehicle etc) are lacking at site, EE to ensure compliance as per agreement provisions, directions, guidelines issued by the CPCB, Ministry of E&F, NCT Delhi, CAQM etc time to time on the matter.
- b) Safety measures are lacking at site, necessary sign boards, panels etc may also be provided for guidance of the students, school staff and visitors to the school / site to avoid mishap. Workers / supervisory staff at construction sites are to be encouraged to wear safety belt, helmets, shoes etc at site.



- c) Maximum area in the ground to be left Kutcha (without flooring, concrete in the ground, courtyard etc) for plantations, greening in the premises. Necessary works i.e. construction of planters, fixing of Kerb stones, laying of pipeline for watering etc may be taken up simultaneously with development works.
- d) Instead of PVC water tanks, RCC water tanks may be constructed to have better water quality especially for drinking water.
- e) Necessary water supply, gas supply, drainage system etc are to be provided in the proposed chemistry & other labs as per the layout.
- f) Representatives of companies supplying the Tiles, Paints etc are to be called at site to ensure genuine materials along with the Architect associated with the project and to suggest better color combinations, workmanship and finishing.
- g) One attached toilet is to be considered with the Principal's and staff room each as being not shown in the drawings available at site. Necessary fittings (ducts for pipes, cables, Power Point Plugs, Brackets for AC Unit etc may also be provided as per future requirements.
- h) Minor corrections suggested in the layout of the toilets to have better space arrangement and to cut the view from corridors are to be made at site.

(एस के अग्रवाल)

अधीक्षण अभियन्ता ( शिक्षा अनुरक्षण इकाई-1)

प्रतिलिपि / Copy to following:

1. मुख्य अभियन्ता (परियोजनाए), लोक निर्माण विभाग, नई दिल्ली को सूचनार्थ प्रेषित।
2. कार्यपालक अभियन्ता , शिक्षा अनुरक्षण मण्डल, ( पूर्व एवं उत्तर पूर्व ) लोक निर्माण विभाग, नई दिल्ली को आवश्यक कार्रवाई के लिए प्रेषित।
3. कार्यपालक अभियन्ता(विद्युत), शिक्षा अनुरक्षण विद्युत मण्डल, लोक निर्माण विभाग, नई दिल्ली को आवश्यक कार्रवाई के लिए प्रेषित।

अधीक्षण अभियन्ता (शिक्षा अनुरक्षण इकाई-1)