

3. SPECIAL CONDITIONS

1. A very high standard of workmanship and speed of construction is expected for this project.
2. The time is the essence of this contract and the work shall be completed within 1 **month** from the date of agreement.
3. All materials before being incorporated in the work shall be inspected and if necessary tested before approval by the Owner /Authorities. Any work on which such materials are used without prior inspection and without approval is liable to be considered as objectionable and not acceptable. Store accounting procedure will be followed as directed by the Owner /supervising Engineers.
4. The contractor has to provide all materials for the execution. The owner do not take responsibility for the supply any material. The rate quoted shall be including all costs.
5. The Theatre Complex has already made electrical connection and water facility at one location in the Complex. The contractor can use this facility by making further extensions, if required, at his own arrangements. However the Owner shall take no responsibility when there is any failure in the supply of water and electricity.
6. The mixing of concrete is by design mix. The contractor has to make sample mixes of every consignment of materials and make concrete cubes and test its cube strength and convince the supervising Engineer of its cube strength before adopting a mix design. It is preferred that cement of well reputed companies of grades 43 or above may be utilized for all the mixes. Water cement ratio has to be limited to 0.54 for M20 and 0.44 for M30. The mix has to be checked for slump and the slump has to be limited to 65mm. If slump is more, it has to be presumed there is water present adhering to the fine aggregate/coarse aggregate and hence added water has to be reduced to bring the slump down within the limits. The requirement of cement for the mix to achieve a strength of M20, M25 and M30 by 15 days to be verified and finalized. However cement consumption shall not be less than **330kg for M20, 350kg for M25 and 400kg for M30**.
7. Special care has to be taken for concreting the sloping roof slabs, sunshades etc. Vibrating with appropriate vibrator shall be insisted for sloping slab also and vibration of concrete has to be made possible by suitably arresting sliding of concrete with the use of intermediate stoppers etc. The top of the sloping slabs has to be levelled and made even and tamped when the concrete is green. After de-shuttering the contractor has to test the slab for any leaks/wetting in the presence of the Architect. Any defect shall be rectified as per the specifications to be suggested by the Architect as per the requirement; at the contractor's own cost.
8. Application for water proofing chemical given over the roof slab has to be done strictly as specified by the firms and under their technical supervision. We shall agree for chemicals ROFFE, SIKA QUALCRETE, M.C. BAUCHEMIE, FOSROC, PIDILITE etc. If the contractor intends to use any other equivalent, he has to clearly indicate at the time of quoting The waterproofing chemical shall be allowed to be applied over the roof only after testing the roof as specified in condition above.
9. The reinforcement fabrication have to be got done through expert workers. The design dimension will have to be precisely maintained. In addition to the reinforcement fabricated chairs for maintaining the height of the top reinforcement of the slabs, the contractor should cast concrete cover blocks of required dimension for the bottom reinforcement and top reinforcement and keep them as required to ensure that the rods keep its position.
10. Plastering over the waterproofing chemical has to be done within the next seven days of application as specified.
11. The contractor has to keep an accurate record of daily use of materials, like cement and steel as prescribed by the authorities. The actual consumption of cement and steel shall be checked with the theoretical consumption. If the actual fall short than the theoretical, the contractor shall be penalized.

12. The contractor has to store cement in efficient water proofing sheds at the site. It shall be stacked on platform with water proofing cover, 30cm above floor level and shall be covered with impervious material. Stacking of cement has to be neat and orderly allowing inspection and for utilizing in the order of its receipt. Stock at site has always to be controlled to assure continuity of work but to avoid storing more than one month. Cement kept more than 2 weeks has to be re-stacked.
13. The contractor has to submit a bar chart incorporating variations of any required to the chart given in the tender for the execution of work and he has to work as per the bar chart given. The owner may introduce necessary correction to it after discussion with the contractor. The progress of the work shall be discussed every fortnight on site meetings. The achievement of progress on expiry of 25% of the time of completion shall be scrutinized strictly by the Engineer in charge. If the contractor fails to achieve progress as given in the bar diagram the owner shall withhold an amount not exceeding 1% of the contract value supposed to have completed at the time of assessment which would be subsequently released if the contractor achieves the progress subsequently as scheduled.
14. Whenever a construction joint is introduced in a concrete slab for the benefit of break in execution, if the break is more than 12hrs., the contractor has to chip the joints of loose stones and compact the concrete and apply adhesive chemicals such as Sika Latex or Sika Qualcrete R.B.R. of Rofte, Nitobond AR or FOSROC, Nafufil BB2 of M.C.Bauchemie or equivalent and lay new concrete to it taking care for applying within pot life one hour or less. This shall be insisted at no extra cost.
15. The glass used shall be plain and even without any undulations. The contractor has to submit the sample of glass to the Engineer and get it approved before the procurement of the lot.
16. The lock, door closers, etc for the door has to be of Godrej or equivalent quality.
17. The quantities given in the schedule and the size shown in the drawings are reasonably correct. However, the contractor is expected to check the measurements at site with reference to the drawings supplied, before starting the fabrication work of joineries and is bound to supply and carry out the work as per the actual measurements. The contractor is expected to supply templates to the plastering masons and get the openings corrected during the plastering stage itself.
18. The contractor has to smear the aluminium sections with grease immediately after erection, to protect it from the other works. Before handing over, the contractor has to wipe off the grease and clean with appropriate solvents. If any scratch or wear happens for the section due to negligence of the contractor in protecting the surface, he shall be instructed to replace it free of cost.
- 19a. All rubber beadings shall be of appropriate dimensions and made of combination of rubber and EPDM (Ethylene Propylene Diene Methadone)
- 19b. All fittings used such as locks, pivots, concealed tower bolts etc. and other accessories should be first quality. We shall insist for ISI quality wherever available. The sample of sections to be used for the work and sample of handles, knobs, door closers, pivots etc. shall be presented before starting the work and got approved.
20. All accessories and screws visible outside shall also be of the same colour as the frames.
21. The works whether fully completed or incomplete, all materials, machineries, plants, tools etc. shall remain on the risk and in the sole charge of the contractor until the complete work has been delivered to the owner and till completion certificate has been issued by the Engineer/Architect.
22. A site order book has to be maintained by the contractor in the site office. The Engineer shall enter orders in duplicate regarding the works in this book in duplicate. All entries therein shall be signed by the contractor or his authorised representative within 2 days and the duplicate copy passed to the Supervising Engineer. It is the responsibility of the contractor to follow the instructions given in the site order book.

23. All the items of the work are to be executed as per relevant I.S specification.
24. The contractor has to maintain the sieves at the site from the beginning of the work. Every load of sand supplied shall be checked to find whether it satisfies the analysis given above. In case of failure the whole lot shall be rejected. Also the sand will be rejected if it contains any deleterious materials. No salinity of even minute quantity shall be accepted.
25. In the case of items in which the prior approval is required as regards the colour/ designs/make of materials, the contractor shall ensure that these approvals are obtained from them sufficiently early so that no delay will occur in the execution of such works. In case there is any delay in getting the necessary approval this may be brought to the immediate attention of the authorities.
26. SAFETY CONDITIONS:
- The contractor has to ensure every precaution for the safety of workers before starting the work. If the supervising authority while inspecting the site find any safety conditions not obeyed, the contractor will be imposed an appropriate fine. Before the work reaches 2m height from the ground level the contractor has to store at the site minimum required helmets and safety belts.
1. Inside the site every person should wear safety helmet, every person should wear and tie the safety belt while working 2mtrs. or more above the ground level.
 2. Openings should be barricaded neatly and it should be visible
 3. All scaffolds at height should be protected with handrails, and width should be at least 500mm. Platforms should be tied with coir string or binding wire.
 4. No one should climb on top without proper ladder/scaffold and scaffolding should be done by a competent and experienced employee.
 5. No plank should be kept untied and should have projection less than 200mm
 6. While work at height is going on, the area beneath should be cordoned and passers nearby must be cautioned.
 7. Only authorized persons are allowed to operate cranes, winches, trailers and vehicles.
 8. All the electrical connections must be taken through ELCB
 9. Do not smoke near combustible material or total working area
 10. Check fire hazards to prevent fire
 11. Do not go under suspended load/overhead loads
27. The sequence of the work is setting out of building making all set out marks and executing the earthwork excavation up to the proposed finished yard level.
28. The Contractor should inform the KSFDC in writing, the name of the site agent, who should be responsible for implementing the instructions at the site. The agent should also ensure the discipline of the contractor's, work's at site and co-ordinate the works and avoid any hindrance to other agencies working at the site.

I/We have carefully read the above said special conditions and shall comply with the same.

Signature of the tenderer

Place:

Date: