

**PROPOSED STAGE
AT FISAT**

OWNER

THR CHAIRMAN
FEDERAL BANK OFFICERS ASSOCIATION
EDUCATIONAL SOCIETY
Reg. No. ER. 1091/2000
FBOA CENTRE, FBOA ROAD
ALWAYE PIN:683101

PILING TENDER DOCUMENTS

FOR THE CONSTRUCTION OF THE PROPOSED
STAGE AT FISAT.

TENDER SUBMITTED BY :

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TENDER FOR PILING

NAME OF PROJECT : PROPOSED STAGE
AT FISAT.

OWNERS ADDRESS : THE CHAIRMAN
FEDERAL BANK OFFICERS ASSOCIATION
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Reg. No. ER. 1091/2000
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NAME OF WORK : BORED CAST- IN- SITU PILES
(Mechanically Augered (Tractor) Pile)

APPROX: NO OF BUILDING PILES : 6 Nos.

TIME OF COMPLETION : 7 Calendar Days

**TENDER SCHEDULE FOR PILING WORKS
PROPOSED STAGE AT FISAT**

Sl. No	Description	Unit	Approx Qty	Rate		Amount	
				Rs.	Ps.	Rs.	Ps.
	<u>BORED CAST - IN - SITU PILES</u>						
1	<p>Constructing R.C.C bored cast in situ piles (Building Piles, approx: 4.1m depth) (as per IS. 2911 Part 1/ Sec 2) boring through soil strata as shown in the soil investigation report and reaching the recommended strata as per structural drawing (dense sand, N>50) at a depth of approximately 4.1m below from original G.L and boring in perfect plumb by Mechanically augured (tractor) pile method. Flushing the bore hole before concreting, for sufficient time to flush out all debris and placing reinforcement in position using appropriate equipments ensuring side cover for the reinforcement with cover blocks and placing cement concrete M25 with minimum cement content 400 Kg/m³ with 20mm nominal size graded broken stones using tremie pipe, placing concrete continuously through tremie upto Ground level, monitoring the slump of concrete shall vary between 150mm to 180mm, and filling enough quantity of concrete to ensure spillage of concrete mixed with bentonite, removing and conveying the bored muck and waste slurry etc. away from the site, including cost of all materials, labour charges, hire and labour for all machinery, hire for generator, charges for electricity, water etc. complete including charges for removing any obstacles during boring etc. for a depth of approx. 4.1m from the ground level excluding cost of cement, steel, admixtures and labour for reinforcement work. Sounding with piano wires to be used to ensure horizontal pile bottom.</p>						
	a) 600 mm dia (6 Nos)	RM	25				

2	Charges for providing reinforcement caged by bending and binding using TOR steel including welding charges for caging, inserting into the bore in position by holding each length and welding and extending together including cost of all consumables, binding wires, all labour charges, hire and labour for all machinery, hire for generator, charges for electricity etc. complete, but excluding cost of reinforcement.	KG	540		
GRAND TOTAL (Rs Only)					

DETAILED SPECIFICATION

Bored cast in situ piles as per detailed structural and architectural Centre line drawings having approximately 4.10m length of 60cm dia piles. The concrete shall be of grade M25 mix with minimum cement content 400kg/m³. All the piles and reinforcement have to be taken to the depth specified in the drawing. The pile shall be Tractor Drilled Mechanical Auger as per IS 2911 (Part 111) – 1985 with latest amendments.

The pile points should be correctly marked as shown in the structural drawings in the reference with the column centre line drawings supplied by the Architects. The correctness of the pile points shall be the sole responsibility of the contractor. If any deviation from the approved drawings occur it shall be made good by the contractor at his own expense including cost of all materials, labour charges and all incidental expense required for such additional work to the full satisfaction of the owner and Architects.

The rate shall include in addition to all conditions and specifications mentioned in the Tender and technical drawings, all fabricating charges, cost of all materials and their conveyance, all kinds of labour needed for the piling work etc. complete but excluding the cost of cement and steel and also including the charges for unloading, storing and safe custody of cement, steel and any other materials provided by the owner in the site premises, water and electricity needed for piling shall also be arranged by the contractor. The bored mud shall be removed from the site from time to time at the contractors expenses. The time given for the completion of work shall be 7 calendar days from the 5th day of acceptance of

the work by the contractor. The contractor shall clean the site of all debris on the completion of the work within a maximum period of three calendar days.

NOTES

- Longitudinal reinforcement in pile shall be high strength deformed steel bars conforming to IS:1786 unless specified otherwise & bundling of bars is not permitted.
- Longitudinal reinforcement shall project 50times its diameter above cut off level unless otherwise indicated.
- Laps shall be staggered as far as practicable and not more than 50% bars shall be lapped at a particular section. Lap joints shall be staggered by at least 1.3 times the lapped length(centre to centre).
- Minimum clear cover to the longitudinal reinforcement shall be 50mm.
- On completion of the pile bore up to the required depth, the bottom of the hole shall be cleaned very carefully before concreting work is taken up. Cleaning shall ensure that the pile bore is completely free from sludge/bored material, debris of rock / bolder etc.
- Use pump of minimum capacity 30HP
- The contractor shall carry out concrete mix design in accordance with IS:10262 and submit mix design calculations and get them approved from the Engineer well in advance for installation of piles.
- Concreting shall not be done until the Engineer is satisfied that the bearing strata (soil/rock) met with at the termination level of pile.
- The time interval between the completion of boring and placing of concrete shall not exceed 6hrs. In case the time interval exceeds 6 hrs. pile bore shall be rebored by inserting chisel to remove any caving and flushing carried out.
- Minimum time span of construction of two adjacent piles closer than six times the diameter of pile shall be 24 hours.
- For working piles, minimum one sample consisting of six test cubes shall be made from the concrete for the first ten piles, three to be tested after 7 days and three after 28 days. Thereafter minimum one sample consist of three test cubes for every 10 piles shall be tested for 7 days and 28 days cube strength.
- The slump of concrete shall vary between 150 to 180 mm. concrete shall be tested for slump at every 1 hour interval during concreting of piles.
- Proper seating of pile must be provided after chiseling as per IS Code regulations.

GENERAL CONDITIONS

1. Cement and steel required for the work shall be delivered at the site within 7 days of indenting for the same. The Contractor has to keep it in safe custody in good storage condition. The Contractor shall give indent for the materials in proper time so that work is continued without any delay. The Owner shall not be responsible for any delay caused by the Contractor in indenting for the materials required for the work.
2. The Owner reserve the right to inspect the materials supplied by him to the Contractor for the said work, even if it is in the safe custody of the Contractor.
3. It shall be the responsibility of the Contractor to store the materials issued to him by the Owner in good condition and if any losses or damages occur due to bad storage, pilferage or in handling the losses will be made good by the Owner, from the Contractor's subsequent bills at the current market price plus 10 % handling charges.
4. Empty cement bags, cut bits of reinforcements etc. shall be handed over to the Owner and the Contractor shall settle the accounts of materials issued to him and the materials used by him for the work every week.
5. If the Contractor fails to execute the work properly or in time or to perform any provision of the contract, the owner after one week's written notice to the contractor takes over the work and complete it otherwise at the Contractor's risk.
6. In respect of all labor directly or indirectly employed on the works by the contractor, the Contractor shall comply with the provisions of the Contract labour (Regulation Abolition) Act 1970, Minimum Wages Act 1948, Payment of Wages Act 1936 and any amendments thereof and all legislations and rules of the State and / or Central Government or other local authorities, Union labour laws and local practices framed from time to time, governing the protection of health , sanitary arrangements, wages, welfare and safety for labor employed on building and construction works and for bonus, retirement benefits, retrenchment / lay off, compensation and all other matters involving liabilities of Owners to employees. The rules and other statutory obligations with regard to fair wages, welfare and safety measures, maintenance of register etc. will be deemed to be part of the contract.
7. The Contractor shall be responsible for the safety of all employees and / or workers employed or engaged by him on and in connections with the workers and shall forthwith report all cases of accidents to any of them, however caused and whenever occurring to the Architect or his representatives and shall make every arrangements to render all possible assistance and aid to the victims of the accident.

8. The Contractor shall at all times indemnify and keep indemnified the owner against all claims for compensation under the provisions of the Workmen’s Compensation Act, 1923 or any other law for the time being in force by or in respect of any workmen employed by the Contractor in carrying out the contract and against all cost and expenses or penalties incurred by the Owner in connection herewith. In any case in which, by virtue of the provision of the said Act, the Owner is obliged to pay compensation to a workman employed by the Contractor in executing the works, the Owner shall recover from the Contractor the amount of the compensation so paid and without prejudice to the rights of the Owner under the said Act. The Owner shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any amount due by the Owner to the Contractor, whether under his contract or otherwise without prejudice to any other remedy that may be available to the Owner, in law. The Owner shall not be bound to contest

9. The owner shall not be liable for, in respect of any damages or compensation payable as per regulations or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or his sub – contractors, and the Contractor shall indemnify and keep indemnified the owner against all such damages and compensation and against all claims, demands proceedings costs, charges and expenses whatsoever in respect thereof or in relation thereto.

10. The Contractor shall maintain such insurance as it will protect him from claims for damages or personal injury including death which may arise from operations under this contract. The Owner shall not be liable on any account for any such claims. The insurance coverage obtained should be presented before commencement of work.

11. It is the Contractor’s responsibility to maintain proper discipline and good behavior of the labourers and the staff, and the owner reserves the authority to expel any labourer or staff of the contractor from the site for misconduct or misbehavior.

Tenderers Name :

Address :