

Action for Food Production (AFPRO)

AFPRO State Office
Plot No. 19/36, 1st Floor,
N Venkataram Layout
Post Office Road, 2nd Cross,
Maruthi Seva Nagar – 560 033,
BANGALORE

Email: procurement@afpro.org Web Site – www.afpro.org

Date: 21.10.2026

Chapter 1: Detailed Tender Notice & Conditions

Tender notice no.: AFPRO/03/NANJANGUDU/KA/2026-27

Tenders in prescribed format are invited from experienced & reputed civil contractors for Tank Rejuvenation work including, Desiltation, bund strengthening, Inlet/outlet renovation etc. in Sarkari kere of Kasuvinahalli Village, Nanjangudu, Mysore Dist: Nanjangudu of Karnataka state.

1) Scope of Work

- **Name of Work:** Tank Rejuvenation Work, to be carried out in accordance with the detailed technical specifications provided by AFPRO in Annexure I.
- **Technical Specifications:** The work shall be executed strictly in accordance with the technical specifications and requirements mentioned in Chapter 2 of this tender document.

2) Availability of Tender Documents

- The non-transferable tender documents can be obtained from the AFPRO State Office at the following address:
AFPRO State Office, Plot No. 19/36, 1st Floor, N. Venkataram Layout,
Post Office Road, 2nd Cross,
Maruthi Seva Nagar, Bengaluru – 560 033.

And

the tender document can also be downloaded from the official AFPRO website: www.afpro.org.

3) Rates to Be Quoted

- Bidders shall quote their rates in both figures and words using the Price Bid format provided in Annexure I. The quoted rates shall include all applicable taxes and duties prevailing at the time of submission. Any changes in taxes or duties introduced by the Government during the contract period shall be considered separately and paid as applicable, subject to the terms of the contract.
- The bids shall be evaluated based on the lowest quoted rate in the Price Bid. However, if the quoted rates are found to be unworkable or technically or financially unviable, the tender committee reserves the right to reject the tender.
- Tenders containing overwriting, corrections, or alterations in the Price Bid without proper authentication and the bidder's signature on the relevant pages shall be liable for rejection. In case of any discrepancy between the amount written in figures and words, the amount written in words shall be considered for evaluation.
- If the quoted rates are found to be abnormally lower than the estimated cost of the work, AFPRO reserves the right to seek a written justification from the bidder. The bidder may also be required to submit a performance guarantee in the form of a bank guarantee covering the differential amount, as determined by AFPRO.

4) Submission of Tender

- Tenders shall be submitted through electronic media to email: procurement@afpro.org, in accordance with the instructions specified in the tender document.
 - Also, submission of sealed quotation is permitted through post to the following address.
AFPRO State Office, Plot No. 19/36, 1st Floor, N. Venkataram Layout,
Post Office Road, 2nd Cross,
Maruthi Seva Nagar, Bengaluru – 560 033.
Contact No: 88842 42101, 94617 68521
 - The last date and time for submission of tenders shall be **27 October 2026**, up to 5:00 PM.
 - Tenders received after the specified deadline shall not be accepted. It is the sole responsibility of the bidder to ensure that the tender reaches AFPRO within the stipulated time and to confirm its receipt.
 - Any queries or clarifications relating to the tender document shall be addressed to the AFPRO Regional Office, Bengaluru, through the following contact numbers:
Contact No - 88842 42101, 94617 68521
 - Interested bidders are advised to visit the project site at their own cost before submitting their tenders. Bidders shall familiarize themselves with the site conditions, project location, surrounding areas, accessibility, and other relevant factors that may affect the execution of the tank rejuvenation work. Bidders shall also carefully review all terms and conditions of the tender document before submission.
 - Tenders that are not submitted in the prescribed format or do not comply with the specified submission requirements shall be liable for summary rejection.
 - Tenders that do not comply with the terms, conditions, specifications, and other requirements specified in the tender document shall be liable for rejection.
 - AFPRO reserves the right to accept or reject any or all tenders, either in whole or in part, without assigning any reason for such a decision.
 - The bidder shall sign each page of the tender document as confirmation of having read and accepted the terms and conditions. No terms, conditions, or provisions of the tender document shall be altered or modified by the bidder. Failure to comply with this requirement may result in rejection of the tender.
 - Tender forms containing overwritten, erased, or unauthenticated rates or amounts shall be liable for rejection. All quoted rates and amounts shall be clearly indicated in both figures and words in English.
- Tenders containing clerical errors, arithmetical mistakes, or discrepancies in the quoted rates or amounts may be rejected, subject to the applicable tender evaluation procedures.
- Any request by a bidder to add, alter, modify, or revise the terms, conditions, or quoted rates of the tender after the opening of tenders may result in rejection of the tender.

5) Tender Opening

- The techno-commercial bids shall be opened in the presence of the designated AFPRO committee. The Price Bids of bidders whose techno-commercial bids are found acceptable shall be opened on **28 October 2026 at 11:00 AM** in the presence of the designated committee. Interested bidders may be present during the opening of the bids.
- AFPRO reserves the right to accept or reject any tender, either wholly or partially, without assigning any reason. AFPRO also reserves the right to select the successful bidder based on negotiations, technical evaluation, relevant work experience, financial suitability, and overall capability to execute the project in the best interest of the project. The decision of AFPRO shall be final and binding on all bidders, subject to applicable rules and regulations.

6) Commencement of Work

- The successful bidder shall commence the work immediately upon the issuance of the work order and/or execution of the agreement, as applicable, and shall carry out the work in accordance with the approved work schedule and instructions issued by AFPRO.

7) Jurisdiction

- Any dispute arising out of or in connection with this tender or the execution of the contract shall be subject to the jurisdiction of the competent courts in New Delhi, Delhi, subject to applicable laws.

8) Eligibility Criteria

- The bidder shall be an established contractor or firm with proven experience in civil construction works.
- The bidder shall have successfully undertaken and completed at least three (3) works of a similar nature and scope during the last five (5) years. The nature of such works shall be comparable to the tank rejuvenation work specified in this tender document.
- The bidder shall submit relevant supporting documents, such as work orders, completion certificates, or client references, as required by AFPRO to establish compliance with the eligibility criteria.

9) Area of Work

- The proposed tank rejuvenation work is located in Nanjangud, Karnataka.
- Bidders are advised to visit the project site at their own cost before submitting their tenders to familiarize themselves with the site conditions, soil quality, accessibility, existing site features, and other factors that may affect the execution of the work.
- AFPRO shall provide the exact location of the tank rejuvenation site to the bidders. The bidder shall take the site conditions into consideration while preparing and submitting the Price Bid.

10) Award of Contract

- Upon evaluation of the bids received through the tendering process, the contract may be awarded to the final evaluated responsive bidder, subject to compliance with the eligibility criteria, technical specifications, and other terms and conditions of the tender.
- Notwithstanding the above, AFPRO reserves the right not to award the contract to the lowest bidder and to cancel, reject, or withdraw the tender, either wholly or partially, without assigning any reason, subject to applicable rules and regulations. Bidders shall not be entitled to claim compensation or reimbursement for any incidental expenses incurred in connection with the preparation or submission of their tenders.
- Acceptance of the bid shall be communicated to the successful bidder through a Letter of Intent (LoI) and/or Work Order. The successful bidder shall countersign and return the relevant document as confirmation of acceptance of the terms and conditions.
- AFPRO may enter into a formal agreement with the selected contractor for the execution of the work. The contractor shall comply with the terms and conditions specified in the agreement, work order, and tender document.

11) Work Schedule, Maintenance of Records, and Measurements

- The successful bidder shall prepare a detailed work schedule covering each activity and specifying the time required for completion. The schedule shall be prepared in consultation with the State Manager and Senior Engineer of AFPRO and shall be submitted for approval before commencement of the work. The quantities specified in the Schedule of Items

are estimated quantities and may be altered or modified based on actual site requirements and instructions issued by the Engineer.

- The Engineer reserves the right to instruct variations in the quantities or scope of work, as required in the interest of AFPRO, the funding partner, and the beneficiary community. Such variations may include the following:
 - i. Increasing or decreasing the quantity of any item of work included in the contract.
 - ii. Omitting any item of work included in the contract.
 - iii. Changing the levels, lines, positions, dimensions, or other details of any part of the work.
 - iv. Directing the execution of additional work necessary for the proper and satisfactory completion of the project.

Such variations shall not invalidate the contract. The value of any approved variations shall be assessed and adjusted in accordance with the applicable contract provisions and approved rates, as determined by AFPRO.

- All measurements of work executed shall be recorded in the Measurement Book (MB), which shall be maintained by the Engineer concerned. The Engineer shall assess and determine the quantity and value of the work completed based on actual measurements.
- For this purpose, the Engineer may issue notice to the contractor to attend the measurement of any portion of the work. The contractor shall promptly attend the measurement or depute a qualified representative to assist the Engineer or the Engineer's authorized representative and shall provide all necessary details and particulars required for verification.
- If the contractor fails to attend the measurement or fails to depute an authorized representative despite receiving notice, the measurements recorded by the Engineer shall be considered final for the purpose of certification, subject to the applicable contract provisions.
- The Engineer shall also have the right to inspect the scaffolding, centering, shuttering, and other temporary arrangements used for execution of the work. Any arrangement found defective or unsafe may be rejected, either wholly or partially, and the contractor shall rectify the defects at their own cost.

12) Payment Terms

- Payments against Running Account (RA) bills shall be released to the contractor through electronic bank transfer via RTGS or NEFT. The contractor shall submit valid bank account details and all necessary supporting documents required for payment processing.
- Up to 90% of the certified RA bill amount shall be released based on the progress of work, subject to inspection, measurement, verification, and certification by AFPRO. Upon satisfactory verification and certification, the Engineer, AFPRO, shall forward the bill to the Accounts Department for payment processing.
- The remaining 10% of the contract payment shall be released upon satisfactory completion of the work in all respects, issuance of the Work Completion Certificate, and fulfilment of all contractual obligations and liabilities by the contractor, subject to final measurement and approval by AFPRO.
- Materials proposed for use in the work shall be subject to inspection by the Engineer before incorporation into the work, wherever applicable. The inspection shall verify the quality and conformity of the materials with the technical specifications and relevant standards prescribed in the tender document.
- No separate payment shall be made for benchmarks, level pillars, profiles, benching, ground levelling, or any temporary works required for the successful execution and completion of the project. The cost of such activities shall be deemed to be included in the quoted rates, unless otherwise specified in the tender document.

13) Penalties

- **Liquidated Damages**
 - i. If the contractor fails to complete the work in accordance with the prescribed specifications within the period stipulated in the Work Order, liquidated damages shall be deducted from the final bill. The liquidated damages shall be calculated at the rate of 0.5% (half a per cent) per week, subject to a maximum of 5% of the total value of the work executed under the Work Order.
 - ii. No liquidated damages shall be imposed if the delay in completion is due to circumstances beyond the contractor's control and the extension of time has been duly approved by AFPRO. The decision of AFPRO regarding the applicability of liquidated damages shall be made in accordance with the terms of the contract.
- **Forfeiture and Other Penalties**

If the successful bidder fails to commence the work after the issuance of the Work Order, AFPRO reserves the right to take one or more of the following actions, subject to the terms of the contract and applicable laws:

i. **Cancellation of Work Order:** AFPRO may cancel the Work Order and arrange for completion of the work through another contractor or agency. Any additional cost incurred by AFPRO in completing the work may be recovered from the defaulting contractor, in accordance with the contract.

ii. **Forfeiture of Security Deposit:** AFPRO may forfeit the security deposit or invoke the bank guarantee, either wholly or partially, as permitted under the contract.

iii. **Blacklisting:** AFPRO may initiate proceedings for blacklisting or debarring the contractor from future tenders, subject to the applicable procedures and principles of natural justice.

iv. **Recovery of Dues:** Any recoverable amount may be adjusted against the contractor's pending bills or other amounts payable by AFPRO, subject to applicable contractual provisions and laws.

14) Price Escalation

- No price escalation shall be permitted during the validity period of the offer. The rates quoted by the bidder shall remain firm and binding during the applicable contract period, unless otherwise expressly provided in the contract.

15) Signing of Agreement

- The successful bidder shall execute an agreement with AFPRO within five (5) days from the date of issuance of the Work Order or Letter of Intent (LoI), or within such extended period as may be permitted by AFPRO.
- If the successful bidder fails to execute the agreement within the stipulated period without an approved extension, AFPRO reserves the right to cancel the award or terminate the contract, as applicable, and initiate proceedings to debar the bidder from participating in future AFPRO tenders, subject to the applicable procedures and terms.

16) Obligations of the Contractor

- The contractor shall commence and complete the work within the stipulated period and in accordance with the specifications, drawings, approved work schedule, and other requirements specified in the tender document and Work Order.
- The contractor shall make all necessary arrangements for transportation, travelling, boarding, lodging, and other facilities required for the execution of the work at their own cost.
- The contractor shall not subcontract or sublet the whole or any part of the work without the prior written approval of AFPRO.

- The contractor shall comply with all instructions and directions issued by AFPRO or its authorized representatives from time to time in connection with the execution of the work.
- The contractor shall be responsible for the security and safe custody of all materials, equipment, and other items brought to or used at the project site until completion and formal handover of the work. All associated costs shall be borne by the contractor.
- The contractor shall ensure that the work is executed by suitably skilled and competent personnel. If the contractor considers any variation in the construction method, design, or quality of materials necessary or beneficial for satisfactory completion of the work, the contractor shall consult the Engineer and obtain prior written approval from AFPRO before implementing such variation.
- Any proposed change or variation shall be submitted to the Engineer for consideration and approval. No deviation from the approved drawings, specifications, or quality requirements shall be undertaken without written authorization from AFPRO. The contractor shall remain responsible for meeting all contractual requirements and guarantees.
- The contractor shall provide a minimum guarantee period of one (1) year for all civil works, equipment, accessories, and other items covered under the contract, commencing from the date of issuance of the Work Completion Certificate, unless otherwise specified in the contract. All relevant guarantee documents shall be submitted to AFPRO.
- The contractor shall promptly report any accident occurring at the work site to the concerned authorities and AFPRO, including details of the employees involved and the circumstances of the incident. The contractor shall fulfil all applicable statutory obligations relating to employee compensation and workplace accidents within the prescribed time limits.
- The contractor shall comply with all applicable labour laws, including the Contract Labour (Regulation and Abolition) Act, 1970, as amended, and the rules framed thereunder, wherever applicable. The contractor shall fulfil all statutory obligations relating to the employment and engagement of labour. Any costs or liabilities incurred by AFPRO due to the contractor's failure to comply with these obligations may be recovered from the contractor, subject to applicable laws.
- All materials supplied and used by the contractor shall conform to the relevant Indian Standards (IS), technical specifications, and quality requirements prescribed in the tender document. Materials shall be submitted for inspection and approval by the Engineer before use and shall be delivered to the site in quantities and batches appropriate for the execution of the work.
- Any incidental or ancillary work, whether temporary or permanent, that is reasonably necessary for the proper completion of the specified work shall be carried out by the contractor at no additional cost, where such work is deemed included in the quoted rates or contract scope. Any work outside the agreed scope shall require prior written approval and shall be dealt with in accordance with the contract provisions.
- The contractor shall provide adequate lighting arrangements at the project site wherever necessary for the safe and proper execution of the work. All associated costs shall be borne by the contractor.
- Upon completion of the work, the contractor shall remove all surplus materials, construction debris, temporary structures, brickbats, aggregates, mixing platforms, and other waste materials from the site. The site and surrounding premises shall be left clean, orderly, and safe to the satisfaction of AFPRO.
- The contractor shall provide adequate supervision throughout the execution of the work. The contractor or an authorized representative shall remain available at the site to supervise the work and receive instructions from the Engineer on behalf of the contractor. The contractor or authorized representative shall attend periodic site meetings convened by AFPRO to review progress, address technical issues, and discuss deviations from approved drawings or specifications.

- The contractor shall comply with all applicable safety, environmental protection, and occupational health requirements and shall ensure that the work is executed in a safe and environmentally responsible manner.

17) Supplementary Items

- Items of work that are necessary for the project but are not included in the specific Schedule of Items shall be treated as supplementary items, subject to prior approval by AFPRO.
- The rates for supplementary items shall be determined in the following order of precedence:
 - i. Wherever possible, the rate shall be derived from the rates of similar or allied items quoted by the contractor in the Schedule of Items, with appropriate contractual adjustments, where applicable.
 - ii. If the rate cannot be derived from similar or allied items, it shall be determined based on prevailing market rates for materials and labour, together with reasonable overheads and profit. The combined allowance for overheads and profit shall be 10% of the cost of materials and labour.
- The contractor shall not execute supplementary work or claim payment for such work without prior written approval from AFPRO regarding the scope, rates, and applicable terms.

18) Termination or Cancellation of Contract

- AFPRO reserves the right to terminate or cancel the contract during implementation if the progress or quality of work is found unsatisfactory by the Engineer or any person authorized by AFPRO for monitoring and supervision.
- Before termination on grounds of unsatisfactory performance, the contractor may be issued a written notice specifying the deficiencies and providing a reasonable opportunity to rectify them, wherever appropriate and subject to the terms of the contract.
- In the event of termination, the contractor shall comply with AFPRO's instructions regarding the site, materials, records, and work completed up to the date of termination. Any financial settlement or recovery shall be determined in accordance with the contract.

19) Completion Certificate

- The work shall be considered complete only after certification by the concerned user department, satisfactory completion of all required laboratory tests and quality checks as instructed by the Engineer, and fulfilment of the applicable completion requirements.
- The contractor shall submit a written undertaking confirming that any outstanding work or defects identified during the maintenance or defect liability period shall be rectified within the stipulated time and in accordance with the contract.
- Upon satisfactory verification of the completed work, the concerned Engineer shall certify completion, and the Regional Manager of AFPRO shall issue the Work Completion Certificate.
- The maintenance or defect liability period shall commence from the date specified in the Work Completion Certificate, subject to the terms of the contract.

20) Tax Deducted at Source

- Income tax and other applicable taxes shall be deducted at source from payments due to the contractor at the rates prescribed under the relevant tax laws in force at the time of deduction. The applicable deductions shall be reflected in the payment statements and supporting documents.

21) Legal and Miscellaneous Obligations

- The contractor shall be solely responsible for complying with all applicable statutory obligations relating to employees and labour engaged for the execution of the work, including, wherever applicable, the Employees' Provident Funds and Miscellaneous Provisions Act, 1952; the Employees' State Insurance Act, 1948; the Employees' Deposit-Linked Insurance Scheme; the Minimum Wages Act, 1948; the Payment of Bonus Act, 1965; the Payment of Gratuity Act, 1972; and other applicable labour and employment laws, rules, regulations, and government notifications, as amended or replaced from time to time.
- The contractor shall be responsible for payment of wages, statutory contributions, employee benefits, compensation, and all other liabilities arising from the employment or engagement of personnel for the project. AFPRO shall not be responsible for the contractor's statutory or employment liabilities, except to the extent required under applicable law.
- If AFPRO incurs any recoverable cost or liability due to the contractor's failure to comply with applicable statutory obligations, AFPRO may recover such amount from payments due to the contractor or from the security deposit, subject to the contract and applicable laws.

22) Deviations

- Any technical or commercial deviations proposed by the bidder shall be clearly stated in the designated schedules or formats prescribed in the tender document.
- Any attempt to conceal or disclose deviations only through a covering letter or documents other than the prescribed schedules may render the bid non-responsive.
- Incomplete or conditional tenders, or tenders that do not comply with the prescribed submission requirements, shall be liable for rejection.

23) Modification of Contract

- AFPRO reserves the right to propose modifications to the contract where necessary for the smooth and effective execution of the work. Any modification affecting the scope, price, schedule, or other contractual terms shall be communicated to the contractor in writing and implemented in accordance with the contract and mutual agreement, wherever required.

24) Force Majeure

- Neither party shall be held responsible for failure or delay in performing its contractual obligations to the extent that such failure or delay is directly caused by a force majeure event beyond its reasonable control...
- The affected party shall promptly notify the other party in writing of the occurrence, expected duration, and impact of the force majeure event and shall take reasonable steps to minimize its effects.
- The contractor shall resume the work as soon as reasonably practicable after the force majeure event has ceased to affect the execution of the work.
- If the performance of all or part of the contractual obligations is prevented or delayed by a force majeure event for a

continuous period exceeding seven (7) days, AFPRO may review the situation and determine the appropriate course of action, including extension of time or termination of the contract, in accordance with the contract and applicable law.

25) Arbitration and Dispute Resolution

- Any dispute or difference arising out of or in connection with the agreement or accepted contract shall first be addressed through mutual consultation and amicable settlement between the parties.
- If the dispute cannot be resolved amicably, it shall be referred to arbitration in accordance with the Arbitration and Conciliation Act, 1996, as amended from time to time, and the applicable rules.
- The arbitral tribunal shall be constituted in accordance with the applicable law and the mutually agreed contractual procedure. The arbitration award shall be final and binding on both parties, subject to the remedies available under applicable law.
- The seat and venue of arbitration, language of proceedings, and other procedural matters shall be specified in the agreement or determined in accordance with applicable law.

Chapter 2: Technical Specifications

Section 1: General

- All works shall be executed as per the BOQ, approved drawings, technical specifications and applicable IS codes.
- Quoted rates shall include all materials, labour, tools, equipment, transportation, taxes, insurance and other incidental costs required for completion.
- Tank rejuvenation works, including desilting, excavation, earthwork, bund strengthening, slope dressing and other approved activities, as per AFPRO specifications and drawings.
- Silt excavation should be limited to 1-1.5m depth below tank bed, more than this is restricted.
- Silt should be used to embankment strengthening & excess should be dumped in government land as instructed by engineer in charge.
- Curing: Exposed surfaces of all cement work viz. cement concrete, brickwork, flooring, plastering, pointing and the like shall be cured by keeping surface adequately and continuously wet as directed by the engineer for at least seven days. Cost for this shall be deemed to be included in the rates quoted against the respective schedule.
- Bar chart: The contractor shall submit a bar chart to engineer, AFPRO, for the work under contract. The above bar chart shall be submitted by contractor within one week of acceptance of contract. Bar chart as submitted shall be scrutinized by the engineer. Mutually agreed bar chart shall be finalized within three days of submission by the contractor. The contractor shall carry out the changes as suggested by the engineer. The mutually agreed bar chart shall be signed by contractor and engineer. This shall be binding on contractor for progressing the work for completion by due date.

Section 2: Excavation, earthwork

- This section covers the specifications of earth work in excavation in all kinds of soils including murum, hard murum, soft rock (without blasting), hard rock (without blasting), rock (with blasting), filling excavated earth in plinths, sand filling in plinth, rubble soling and brick on edge soling. Engineers will furnish the necessary drawing showing the areas to be excavated, filled, sequence of priorities etc. Contractors shall strictly follow such drawings.
- Contractor shall provide all tools, instruments, qualified supervisory personnel, labour, materials and temporary works, consumables and everything necessary whether or not such items are specifically stated herein for completion of the work.
- Contractor shall set properly all lines and establish levels for various works such as earth work excavation in foundation etc. The area to be excavated / filled shall be cleared of fences, trees, plants, logs, slumps, bush, vegetation, rubbish slush etc. and other objectionable matters. If any roots or stumps of trees are found during excavation, they shall also be removed.
- The materials removed shall be burnt or disposed of as directed by engineers. Where earth fill is intended, the area shall be stripped of all loose / soft patches, topsoil containing deleterious matter / materials before fill commences. Final cleaning shall be done with removal of all rubbish up to the distance of 30 m all around outside the periphery of the structure.
- **Mode of measurements:** Backfilling, plinth filling etc. with borrowed earth will be paid for under specified items. The quoted rate shall include all operations such as clearing, excavation, lead and transport, fill, compaction etc. as specified. Actual quantity of consolidated filling shall be measured and paid for in cubic meters irrespective of lead and lift.
- **Disposal of surplus soil:** Surplus soil / earth if any shall be disposed of within the site up to the quantity as directed by the engineer and the same shall be spread out evenly for which no extra payment shall be made. The balance surplus quantity shall be removed away from site. The cost of this removal shall be deemed to be included in the quoted rates

Section 3: Cement concrete work

- **Applicable codes:** The following codes and standards are made a part of the specifications. All standards and practice referred to herein shall be the latest edition including all applicable official amendments and revisions. In case of discrepancy between these specifications and those referred to herein, this specification shall prevail.

Materials:

IS 269-2015 OPC 53 grade: Specification for ordinary Portland cement, rapid hardening

and low heat Portland cement IS 455: Specification for Portland blast furnaces lag

IS 1489: Specification for Portland Pozzolana Cement Equipment:

IS 1791: Specification for batch type concrete mixers

IS 2505: Specification for concrete vibrators immersion type Codes of Practice:

IS 456: Code of practice for plain and reinforced concrete

IS 3385: Code of practice for measurement of civil engineering works

Above mode of measurements shall be applicable only if it is not given specifically in the tender document.

- **Quality:** The quality of materials, method and control of manufacture and transportation of all concrete works irrespective of mix, whether reinforced or otherwise shall conform to the applicable portions of this specification. Engineers shall have the right to inspect the source /s of material/s, the layout and operation of Procurement and storage of materials, the concrete batching and mixing equipment and the quality control system. Such an inspection shall be arranged and engineer's approval obtained prior to starting concrete work.

1. Materials

1.1 Cement: Unless otherwise specified the cement shall be ordinary Portland cement in 50 kg bags of 53 grade only applicable. The use of bulk cement will be permitted only with the approval of Engineer-in- Charge. For this, the contractor will be required to construct proper storage facility. Only Ultratech / Ambuja / J. K super / Birla A1, / Acc / Ramco / OPC 53 grade cement should be used by contractors.

1.2 Aggregates: Unless otherwise the aggregates shall conform to the requirements as per IS 383:1970. Aggregate in general designates both fine and coarse inert materials used in the manufacture of concrete. Fine aggregate is aggregate all of which passes through 4.75 mm sieve. Coarse aggregate is aggregate, most of which is retained on 4.75 mm sieve.

All fine and coarse aggregates proposed for use in the work shall be subject to Engineer-in-Charge approval and after specific materials have been accepted the source of supply of such materials should not be changed without prior approval of Engineer-in-Charge.

All coarse and fine aggregates shall be stacked in stock separately in stockpiles in the material yard near the work site in bins properly constructed to avoid intermixing of different aggregates. Contamination with foreign materials and earth during storage and heaping the materials shall be avoided. The aggregate must be of specified quality not only at the time of receiving at site but more so at the time of loading into mixer. Rackers shall be used for lifting the coarse aggregates from bins or stockpiles. Coarse aggregate shall be piled in layers not exceeding 1.20 m in height to prevent coning or segregation. Each layer covers the entire area of the stockpile before succeeding layers are started. Aggregates that have become segregated shall be rejected.

Coarse aggregate for concrete, except as noted above and for other than light weight concrete shall conform to IS 383. This shall consist of natural or crushed stone and gravel and shall be clean and free from elongated, flaky or laminated pieces, adhering coatings, clay lumps, coal residue, clinkers slag, alkali, mica, organic matter or other deleterious matter.

Coarse aggregates shall be graded in both cases; the grading shall be within the following limits.

The pieces shall be angular in shape and shall have granular or crystalline surface. Mica and shale, if present, shall be only in such quantities that will not, in the opinion of engineers, affect adversely the strength and / or durability

of concrete. The maximum size of coarse aggregate shall be in no case greater than $\frac{1}{4}$ of the minimum thickness of the member, provided that the concrete can be placed without difficulty so as to surround all reinforcement thoroughly and fill the corners of the form. Plums above 150 mm and up to any reasonable size can be used in plain mass concrete work of large dimensions up to a maximum limit of 20% of volume of concrete when specifically approved by Engineer-in-Charge. For heavily reinforced concrete members the nominal maximum size of the aggregate shall be 5 mm less than the minimum clear distance between the reinforcing main bars or 5 mm less than the minimum cover to the reinforcement whichever is smaller. The number of fine particles occurring in the free state or as loose adherent shall not exceed 1% when determined by laboratory sedimentation tests as per IS 2386. After 24 hours' immersion in water, a Previously dried sample shall not have gained more than 10% of its oven dry weight in air, as determined by IS 2386.

1.3 Sand

Sand shall be clean and free from dust or organic foreign matter, and its grading shall be within the limits. Sand from rivers should be used for construction work preferably.

1.4 Water

Unless otherwise stated the water quality and requirements for concrete will be in conformity with IS 456: 1978. Water used for both mixing and curing shall be free from injurious amounts of deleterious materials. Potable waters are generally satisfactory for mixing and curing concrete. Water cement ratio should be 1:0.5.

1.5 Reinforcement steel

All MS reinforcing bars shall conform strictly to IS 432: 1982 and high strength deformed steel (Tor steel) bars should conform to IS 1786: 1985. All reinforcement shall be clean and free from loose mill scales, cost, loose rust, coats of paints, oil or other coatings which may destroy or reduce bonds.

All reinforcing bars shall conform to drawings and dimensions shown on the drawing or where required to carry out intent of drawings or specifications. Reinforcement shall not be bent or straightened in a manner injurious to the materials.

Bars containing cracks or splits shall be rejected. They shall be bent cold, except bars of over 25 mm in diameter which may be bent hot if specifically approved by the Engineer-in-Charge. Bars which depend for their strength on cold working shall not be bent hot. Bars bent hot shall not be heated beyond cherry red colour (nor exceeding 845°C) and after bending the same shall be allowed to cool slowly without quenching. No reinforcement shall be bent when in position in the work without approval, whether it is partially embedded in hardened concrete. Bars with kinks or bends not shown on drawings shall not be used.

Reinforcing bars supplied bent or in coils, shall be straightened before they are cut to size. Straightening of bars shall be done in cold and without damaging the bars. This is considered as a part of reinforcement bending fabrication work.

4 Mixing of cement concrete

The quantities of cement shall be determined by weight. Ordinary Portland cement shall be taken to weigh 1442 kg/m³. The quantities of fine and coarse aggregates shall be determined either by volume for ordinary concrete or by weight for controlled one. The proportions of volume or specified weights are based on dry aggregates; due allowance is to be made for bulking or variation in weight of aggregates according to IS 2386 (Part-III): 1963.

All concrete shall be mixed in a mechanical mixer until there is uniform distribution of the materials and the mass is uniform in colour and consistency but in no cases shall the mixing be done for less than two minutes. **Hand mixing shall not be allowed for any concrete work on the job.**

5 Mix design

All concrete in the works shall be of design mix as defined in IS 456 unless it is a nominal mix concrete such as 1:2:4, 1:3:6, 1:1.5:3

It shall be very clearly understood that whenever the class of concrete, such as M20 and M25 is specified, it shall be the contractor's responsibility to ensure that minimum crushing strength stipulated for the respective class of Concrete is obtained at work. The maximum total quantity of aggregate by weight per 50 kg of cement shall not exceed 450 kg except when otherwise specifically permitted by Engineer-in-Charge.

6 Proportioning, consistency, batching and mixing of concrete

6.2 Aggregate: The proportions which shall be decided by conducting preliminary test shall be by volume. These proportions of cement, fine and coarse aggregates shall be maintained during subsequent concrete mixing. The supply of properly graded aggregates of uniform quality shall be maintained over the period of work; the grading of aggregates shall be controlled by obtaining the coarse aggregate in different sizes and blending them in the right proportions. The different sizes shall be stocked in separate stockpiles. The grading of coarse and fine aggregate shall be checked as frequently as possible as determined by engineer, to ensure maintaining of grading in accordance with the samples used in preliminary mix design. The material shall be stockpiled well in advance of use.

6.3 Cement: The cement shall be measured by volume in normal cases. However, in case of central weight batching plants, cement may be weighed for each batch if so desired by Engineer-in-Charge.

6.4 Water: Only such quantity of water shall be added to the cement and aggregates in the concrete mix as to ensure dense concrete, specified surface finish, satisfactory workability, consistent with the strength stipulated for each class of concrete. The water added to the mix shall be such as not to cause segregation of material or the collection of excessive free water on the surface of the concrete. The water cement (W/C) ratio is defined as the volume of water in the mix (including the surface moisture of the aggregates) divided by the volume of cement in the mix. The actual water cement ratio to be adopted shall be determined in each instance by the contractor and approved by the Engineer-in-Charge.

The W/C ratio specified for use by engineers shall be maintained. The contractor shall determine the water content of the aggregates as frequently as directed by engineer as the work progress and as specified in IS 2386 (Part-III) and the amount of water added at the mixer shall be adjusted as directed by engineer so as to maintain the specified W/C ratio. To allow for the variation in volume of aggregates due to variation in their moisture content suitable adjustments in the volume of aggregates shall also be made.

7 Curing, protecting, repairing and finishing

7.1 Curing

All concrete shall be cured by keeping it continuously damp for the period of time required for complete hydration and hardening to take place. Preference shall be given to the use of continuous sprays or ponded water continuously saturated covering of sacks, canvases, hessian or other absorbent materials, or approved effective curing compounds applied with spraying equipment capable of producing a smooth, even textured coat. Extra precautions shall be exercised in curing concrete during cold and hot water as outlined hereinafter. The quality of curing water shall be the same as that used for mixing concrete.

Certain types of finishing or preparation for overlaying concrete must be done at certain stages of the curing process and special treatment may be required for specific concrete surface finish.

Curing concrete made of high alumina cement and super-sulphated cement shall be carried out as directed by engineers.

Fresh concrete shall be kept continuously wet for a minimum period of 10 days from the date of placing of concrete following a lapse of 12 to 14 hours after laying of concrete. The curing of horizontal surfaces exposed to the drying winds shall however begin immediately after the concrete has hardened.

Water shall be applied uniformly to concrete surfaces within 1 hour after concrete has set. Water shall be applied to formed surfaces immediately upon removal of forms. Quantity of water applied shall be controlled so as to prevent erosion of freshly placed concrete.

Whenever, by the judgment of engineers, it may be necessary to omit the continuous spray method, a covering of clean sand or other approved means such as wet gunny bags which will prevent loss of moisture from the concrete, may be used. No type of covering will be approved which would stain or damage the concrete during or after the curing period. Covering shall be kept continuously wet during the curing period. Surface coating compounds shall be used only by special permission of engineers. Curing compounds shall be liquid type white pigmented. Other curing compounds shall be used on surfaces where future blending with concrete, water or acid proof membrane or painting is specified.

All equipment and materials required for curing shall be on hand and ready for use before concrete is placed.

7.2 Protecting fresh concrete

Fresh concrete shall be protected from defacements and damage due to construction operation by leaving forms in place for an ample period as specified later in this specification. Newly placed concrete shall be protected by approved means such as tarpaulins from rain, sun and winds. Steps as approved by engineers shall also be taken to protect immature concrete from damage by debris, excessive loading, vibration, abrasion or contact with other materials etc. that may impair the strength and / or durability of the concrete. Workmen shall be warned against and prevented from disturbing green concrete during its setting period. If it is necessary that workmen enter the area of freshly placed concrete, engineer may require that bridges be placed over the area.

7.3 Repair and replacement

Immediately after the shuttering is removed, the surface of concrete shall be very carefully inspected and all defective areas called to the attention of engineer who may permit patching of the defective areas or also reject the concrete unit either partially or entirely. Rejected concrete shall be removed and replaced by contractor at no additional expense. Holes left from bolts etc. shall be filled up and made good with mortar composed of one part of cement to one and half parts of sand passing 2.36 mm IS sieve after removing any loose stones adhering to the concrete and shall be finished as described under the particular items of work.

Superficial honeycombed surfaces and rough patches shall be similarly made good immediately after removal of shuttering in the presence of engineer and superficial water and air holes shall be filled in. The mortar shall be well worked into the surface with a wooden float. Excess water shall be avoided. Unless instructed otherwise by engineer, the surface of the exposed concrete placed against shuttering shall be rubbed down immediately on removal of shuttering to remove fine or other irregularities and necessary care being taken to avoid damage to the surface. Surface irregularities shall be removed by grinding.

Date: 22.10.2026

To,
Action for Food Production (AFPRO) 25/1-
A, Institutional Area, Pankha Road, D-Block,
Janakpuri, New Delhi-110058 Phone:011-
28525452, 28525412,

Ref.: Tender notice:

AFPRO/03/NANJANGUDU/KA/2026-27

Dear Sir,

In response to the tender invited by you, I / We have examined the notice, conditions, specifications and terms of the contract and I / we agree to abide by all instructions in these documents attached here to and hereby bind myself / ourselves to execute the work as per schedule stipulated in the tender notice.

I / We further agree to sign and execute all agreements / bonds as may be required by AFPRO to abide by all conditions of the contract and to carry out all work as per specifications.

I / We also undertake that I / We have not been blacklisted by any entities any

time. I / We enclose herewith the required documents.

Sincerely yours,

Signature of bidder with seal Encl.:

1. Price bid

Note – Contractor should print this letter/page on the contractor's own firm letterhead along with GST No.

Annexure – I (Price Bid)

Name of Work –Tank Rejuvenation work in Sarkari Kere of Kasuvinahalli Village, Nanjanagudu Taluk, Mysore district

Tank rejuvenation work includes : Tank bed desiltation with transportation to embankment formation or to be filled as instructed by engineer in charge, Inlet & Outlet structure construction, Entrance ramp construction, Name board installation etc.

NOTE: - Some changes in quantity will be made as per the site requirements, actual work doen bill will be paid as per approved measurement book

The rates should be entered for below attached BOQ Format with the vendor Letterhead

Date - / /

Sign of Contractor

Annexure – I (Price Bid)

AFPRO (Action for Food Production)						
Tank Rejuvenation work in Sarkari Kere, Kasuvinahalli village under Water Resource Development Project						
BOQ (Main sheet)						
Sl.No	Description of work	Unit	No	Quantity	Unit Rate	Amount
1	Providing 5 HP motor for De-watering upto 5 % of Desiltation cost dewatering shall be made as per site condition					
		Cum	1	1,250.000		-
2	De-silting tank bed/Feeder Channel/Canal in dry condition by excavating the deposited bed material and disposing off the same by stacking/ formation of Embankment or as directed including cost of all machinery, labour etc., complete with all lead and all lifts.					
		Cum		22,000.000		-
3	Construction of Inlet structure as specified by Engineer incharge & the specification given in Estimate (Detailed Calculation sheet is attached separately)					
		Ls	1			-
4	Construction of Outlet structure as specified by Engineer incharge & the specification given in Estimate (Detailed Calculation sheet is attached separately)					
		Ls	1			-
5	Construction of Ramp Construction as specified by Engineer incharge & the specification given in Estimate (Detailed Calculation sheet is attached separately)					
		Ls	1			-
6	Provision of Kadapa/Granite stone inaugurale plaque (1*0.75 m) mounted on brick masonry structure (1.2m high, 1.5m wide and 0.4 m thick wall structure) including paint,labour,curing, etc					
		Ls	1	1.000		-
7	Providing and fixing board/displaying information, with rectangular shape of 1.0m x 1.5 m size made out 18 gauge (1.5mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint, mounted to square tube of 70*70mm or Circular tube of 70mm dia height of 9 ft above GL & 2ft BGL and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling etc..					
		Ls	1	1.000		-
Total Cost						-
CST 9%						-
SGST 9%						-
Total Amount Including GST						-

AFPRO (Action for Food Production)

Tank Rejuvenation work in Sarkari Kere, Kasuvinahalli village under Water Resource Development Project

BOQ-Inlet Structure (Detailed BOQ for SI 3 of Main BOQ Sheet)

Sl.No	Description of work	Unit	Quantity	Unit Rate	Amount
1	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other including cost of labour, tools, usage & other appurtenances required appurtenances required to complete the work.				
		Cum	15.000		-
2	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.				
		Cum	3.600		-
3	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. Specifications. No. KSRB 1000, 2300				
		M	15.000		-
4	Providing and constructing 300 mm thick rubble stone pitching set in CM 1: 5 proportion by volume with pin headers at 2 per m ² including cost of all materials from approved source, labour, packing stone chips and mortar into joints, finishing, curing and all other ancillary operations complete.				
		Sqm	20.000		-
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m (50 % Of excavated earth)				
		Cum	7.500		-
6	Fixing of available NP3 900 mm dia Concrete pipe including excavation, Joint filling with 1:6 Cement mortar, soil filling etc as specified by engineer incharge				
	5m Length 900mm dia pipe installation	Ls	1.000		-
Total Cost					-

AFPRO (Action for Food Production)

Tank Rejuvenation work in Sarkari Kere, Kasuvinahalli village under Water Resource Development Project

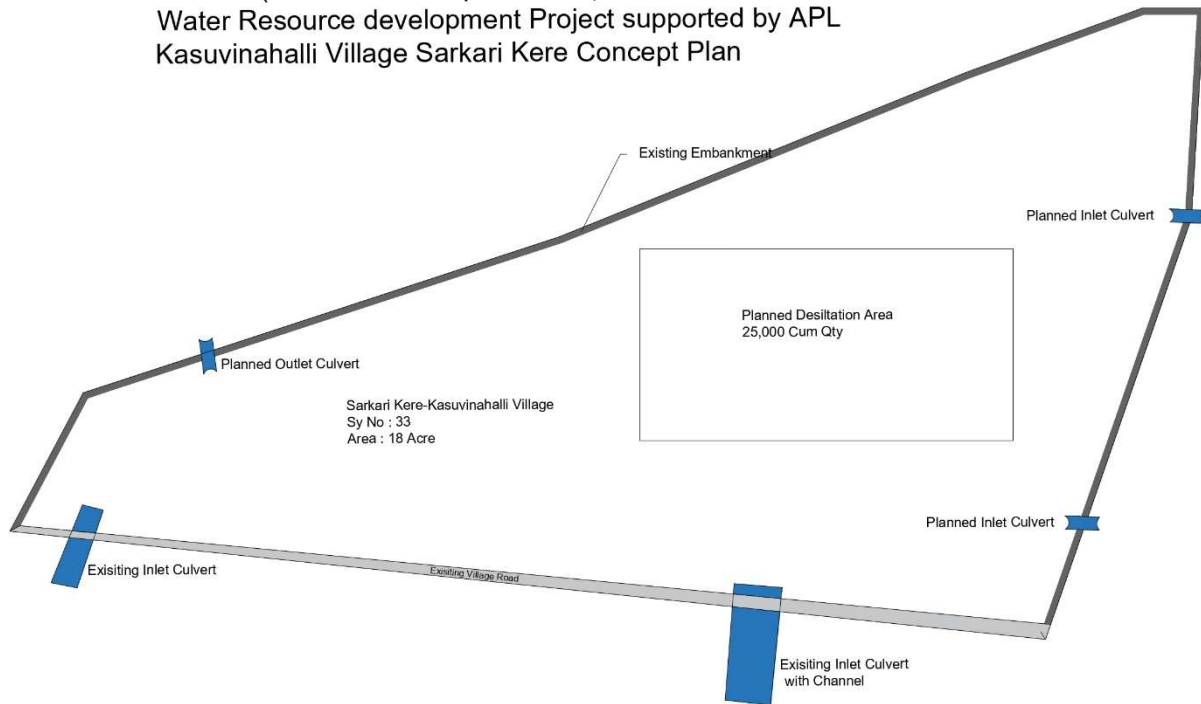
BOQ-Outlet Culvert Structure (Detailed BOQ for SI 4 of Main BOQ Sheet)

Sl.No	Description of work	Unit	Quantity	Unit Rate	Amount
1	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. in all kind of soil upto 3 meter depth				
		Cum	16.000		-
2	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Concrete mix of 1:3:6 ratio Using 40 mm nominal size graded crushed coarse aggregates				
		Cum	3.900		-
3	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (Including all sub & super structure)				
		Cum	18.300		-
4	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications, The laps and wastages shall not be measured separately.				
		Kg	415.122		-
5	Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material Including fixing collar with cement mortar 1:2 as specified by engineer incharge excluding excavation, protection works, backfilling, concrete and masonry work				
		M	15.000		-
6	Providing and constructing 300 mm thick rubble stone pitching set in CM 1: 5 proportion by volume with pin headers at 2 per m2 including cost of all materials from approved source, labour, packing stone chips and mortar into joints, finishing, curing and all other ancillary operations complete.				
		Sqm	30.000		-

7	Dismantling of existing old damaged Outlet structure & storing/using the pipes for inlet purpose as specified by engineer incharge				
		Ls	1.000		-
Total Cost					-

AFPRO (Action for Food Production)					
Tank Rejuvenation work in Dasana Kere, Kasuvinahalli village under Water Resource Development Project					
BOQ- Ramp Construction (Detailed BOQ for SI 5 of Main BOQ Sheet)					
Sl.No	Description of work	Unit	Quantity	Unit Rate	Amount
1	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other including cost of labour, tools, usage & other appurtenances required appurtenances required to complete the work.				
		Cum	9.225		-
2	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.				
		Cum	3.999		-
3	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)				
		Cum	3.681		-
4	Providing and constructing 300 mm thick rubble stone pitching set in CM 1: 5 proportion by volume with pin headers at 2 per m2 including cost of all materials from approved source, labour, packing stone chips and mortar into joints, finishing, curing and all other ancillary operations complete.				
		Sqm	30.000		-
5	Providing and constructing 250mm thick dry rubble stone pitching with pin headers at 2 per m2 using stones and stone chips from approved source including cost of all materials, labour, hand packing / wedging stone chips, finishing and all other ancillary operations				
		Sqm	24.000		-
Total Cost					-

AFPRO (Action for Food production)
Water Resource development Project supported by APL
Kasuvinahalli Village Sarkari Kere Concept Plan



AFPRO (Action for Food Production)
Water Resource Development project supported by APL
Outlet Culvert Structure Design-Kasuvinahalli Village, Sarkari Kere

