



CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)

Uppal Road, Hyderabad - 500 007



NGRI-03/14/2024-Wks.

Dated: 28.10.2024

Tender Schedules for the work of “**Laying of Cement Concrete Road from Gate No.4 to the Food Court and b/w Main Building and Rock garden at CSIR-NGRI, Hyderabad.**”

COST OF TENDER Fee Rs. 500/- (Rupees Five Hundred only).

<https://www.onlinesbi.sbi/sbicollect/collecthome.htm?corpID=20666>

Click the above to pay Tender Fee

TENDER TO BE SUBMITTED TO THE DIRECTOR, NGRI, Hyderabad

Tender Issued to Shri / M/S.
.....
.....

Signature of the Issuing Authority

CONTENTS

Sl.No.	Description	No. of Pages
01.	Contents	1
02.	Detailed Notice Inviting Tenders	3
03.	Compliance to Labour Laws & Apprentice Act	1
04.	Contractor's Site Superintendence	1
05.	Additional Conditions of Cement, Steel & Bitumen	2
06.	Additional Special Conditions	1
07.	Clause Planning and Designing	1
08.	Additional Condition 02 (Misc, Civil Work & Renovation)	1
	Special Conditions & General Conditions of Contract CPWD Specifications Vol-1&2 etc. and Drawing	Can be seen in the office of Civil Engineering Section at CSIR-NGRI, during office hours.

Date:

Cell No:

e-mail ID:

(If any)

Stamp and Signature of the Tenderer



No. NGRI-03/14/2024-Wks.

Dated: 28.10.2024

NOTICE INVITING TENDERS

Online tenders are here by invited for the “**Laying of Cement Concrete Road from Gate No.4 to the Food Court and b/w Main Building and Rock garden at CSIR-NGRI, Hyderabad**” from the contractors of appropriate class of CPWD, Railways, MES, State PWD and also from those who have carried out similar types of works for CSIR Institutes/Labs. or for Govt./Semi Govt./Autonomous Bodies/PSU/Govt. Companies/Govt. Department to the tune of 80% / 60% / 40% of the estimated cost (in case of one work / two works / three works respectively) during the last 5 years. . Similar Type of Works means, Civil Construction works, Renovation works, C.C.Road work Etc., (except cleaning work, Annual Maintenance work, B.T. Road etc).

1. Tender documents are also available on website i.e. etenders.gov.in
2. Tender (s) received without EMD and not fulfilling the requirement of will be treated as cancelled and will not be opened.
3. If any documents found to be fake/incorrect at any stage, the tender/work will be cancelled. In that case the same work will be executed through another firm at risk & cost of first awardee/firm/contractor. The firm/contractor will be black listed and the same will be intimated to other public sector organizations also.
4. **Estimated cost is Rs. 51.50 Lakhs (including GST) (Rupees Fifty One Lakh Fifty Thousand only).**
5. Time for carrying out the work for rate contract for **30 Days** and the date of commencement shall be reckoned from 10th day of issue of the award letter.
6. Complete contract documents to be compiled with by the Tenderer whose tender may be accepted, can be seen at the office of the Director, N.G.R.I., Hyderabad.
7. Time Schedule
Date to quote online: **From 29.10.2024 to 05.11.2024**
Last date and Time of submission of Tender: **05.11.2024 @ 2.00 P.M.**
Date and Time of opening of Tender: **06.11.2024 @ 2.30 P.M.**
8. Earnest Money amounting to **Rs. 1,03,000/- (Rupees One Lakh Three Thousand Sixty only)**
<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=20666>
Click the above to pay EMD
9. The Employer does not bind himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted.
10. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.

Stamp and Signature of the Tenderer

11. The tenderer shall not be permitted to tender for works in the concerned unit of CSIR in which relative is posted in the grade between Controller of Administration and Junior Engineer, (both inclusive). He shall also intimate the name of persons who are working with him in any capacity subsequently employed by him and who are relatives as mentioned above.

NOTE: A person shall be deemed to be a relative of another if, and only if, (a) they are members of a Hindu Undivided Family, or (b) they are husband and wife, or (c) the one is related to the other in the following manner: Father, Mother (including step mother), Son (including step son), Son's Wife, Daughter (Including step daughter) Father's father, Son's Son, Son's Son's wife, Son's daughter, Son's daughter's husband, Daughter's husband, Daughter's son, Daughter's Son's wife, Daughter's daughter, Daughter's daughter's husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

12. Tender submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work, validity beyond 90 days from the date of opening shall be by mutual consent.
13. The tenderer should see drawings and in case of doubt, obtain required particulars, which may in any way influence his tender from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.
14. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working condition of site and locality including stacking of material, installations of tools and plants (T & P), etc., conditions affecting accommodation and movement of labour, etc., required for the satisfactory execution of the contract. No claim whatsoever on such account shall be entertained by the employer in any circumstances.
15. Earnest money will be forfeited, if the contractor fails to commence the work as per letter of award work.
16. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenders. Tenderers who are desirous to offer rebate, the same should be brought out separately in the covering letter and submitted along with the tender.
17. Some of the provisions of general conditions of contract are given below. Interpretations, however, shall be as given in the general conditions of the contract.
 - a) **DEFECTS LIABILITY PERIOD:** Twelve months from the date of completion as certified by the Employer.
 - b) **MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE:**
Rs 25 Lakhs Intermediate certificate, for a lesser amount can be admitted for payment at the discretion of the Engineer.
18. **SECURITY DEPOSIT:** A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tender value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to contractor/firm.
19. **COMPENSATION:** Contractor shall pay as compensation an amount equal to one per cent or such smaller amount as the Employer (Whose decision in writing shall be final) may decide on the cost of the whole work as shown in the agreement, for every week that the work remains un commenced

Stamp and Signature of the Tenderer

or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed Ten per cent of the estimated cost of the work as shown in agreement.

20. Tax deduction at source:

- i. The rate of **TDS** applicable is **1%** for **Individuals** and HUF. However, firms are liable to pay 2% TDS.
- ii. The rates quoted are inclusive of 2% TDS on GST. The amount to be deducted on Gross amount of bill
- iii. If any other statutory taxes be reimbursed to contractor on submission of claim with original proof of details.

21. The required building material, if any, is to be procured by the contractor including steel and cement (ACC/Raasi/Orient/L&T/UltraTech/Maha) and the quality of material be tested by the Engineer-in-charge. The testing charges will be borne by the contractor.

COMPLIANCE TO LABOUR LAWS & APPRENTICE ACT

The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970, and rules and orders framed there under and other labour laws affecting contract labour and Apprentice Act, 1961 and the rules and orders framed there under that may be in force or brought into force from time to time. Contractor shall obtain a valid license under Contract Labour (R&A) Act 1970 and Contract Labour (R&A) Central Rules 1971 before commencing work and which should be valid till the completion.

I. CONTRACTOR'S SITE SUPERINTENDENCE

Staff to be employed by contractor on works:

The contractor shall employ the following technical staff during execution of works:

(a) For building and road works

- (i) One graduate Engineer, when the tendered cost of work exceeds Rs.10 lakhs
- (ii) One qualified Diploma holder (overseer) with experience not less than 3 years when the tendered cost of work exceeds Rs.5 lakhs but less than Rs.10 lakhs
- (iii) One qualified Diploma holder when the tendered cost of work is more than Rs.2 lakhs but less than Rs.5 lakhs

(b) For sanitary and water supply works:

One qualified diploma holder with experience of not less than 5 years, out of which one year should be in sanitary and water supply works when the tendered cost of work is more than Rs.50,000/-

(c) For electrical works

- (i) One qualified Graduate Engineer possessing Degree in Electrical Engineering from recognized university with an experience of not less than 3 years or a Diploma holder in Electrical Engineering with an experience of not less than 7 years when the tendered cost of the work is not less than Rs.1.5 lakhs
- (ii) One Graduate Electrical Engineer with two years experience or a Diploma holder in Electrical Engineering with experience of not less than 3 years, when the tendered cost of the work is more than Rs.75,000/- but less than Rs.1.5 lakhs.
- (iii) One Diploma holder in Electrical Engineering with experience of not less than 3 years when tendered cost of work is more than Rs.37,000/- but less than Rs.1.5 lakhs
- (iv) One licensed Supervisor with experience of not less than 3 years when the tendered cost of work is more than Rs.7,500/- and less than Rs.37,000/-

1. In case the contractor fails to employ the technical staff as aforesaid, he shall be liable to pay reasonable amount not exceeding the amount shown below for each month of default. These recoveries are subject to modifications from time to time by CSIR based on CPWD:-

- (i) In case when a Graduate Engineer is to be employed
..... Rs.3,000/-
- (ii) In case when a qualified Diploma holder is required to be employed
..... Rs.1,500/-
- (iii) In case when a technical Supervisor is required to be employed
..... Rs.750/-

ADDITIONAL CONDITIONS OF CEMENT, STEEL & BITUMEN

CONDITIONS FOR CEMENT:

1. The contractor shall procure 33 grade (Conforming to IS: 269) or 43 grade (Conforming to IS: 8112) ordinary Portland cement, as required in the work, from reputed manufactures of cement having a production-capacity of one million tones per annum or more such has ACC, L & T, J.P, Rewa, Vikram, Shri Cement, Birla Jute and Cement Corporation of India etc, as approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge. Supply of cement shall be taken in 50 Kg. bags bearing manufacture's name and ISI marking, samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.
2. The cement shall be brought at site in bulk supply of approximately 50 tones or as decided by the Engineer-in-Charge.
3. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provisions shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the key of the other lock remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
4. The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in Clause 6 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 6 of the contract and shall be governed by conditions laid therein.
6. Cement brought to site and cement remaining unused after completion of work shall not be removed from without written permission of the Engineer-in-Charge.

CONDITIONS FOR STEEL:

1. The contractor shall procure steel reinforcement bars conforming relevant BIS codes from main producers as approved by the ministry of steel. The contractor shall have to obtain and furnish test certificate to the Engineer-in-Charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not confirm to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-Charge to do so.
2. The steel reinforcement shall be brought to the site in bulk supply of 10 tonnes or more as decided by the Engineer-in-Charge.
3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent Distortion and corrosion and nothing extra shall be paid on this account. Bars of different size and lengths shall be stored separately to facilitate easy counting and checking.

4. For checking nominal mass, tensile strength, bend test, re-bend test etc., specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

Size of bar	For consignment below 100 tones	For consignment over 100 tones
Under 10mm dia.	One sample for each 25 tones or part thereof.	One sample for each 40 tones or part thereof.
10mm to 16mm dia	One sample for each 35 tones or part thereof.	One sample for each 45 tones or part thereof.
Over 16mm dia	One sample for each 45 tones or part thereof.	One sample for each 50 tones or part thereof.

5. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor.
6. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 6 of the contract. The theoretical consumption of steel shall be worked out as per procedure in clause 6 of the contract and shall be governed by conditions laid therein.
7. Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.

CONDITIONS FOR BITUMEN

1. The contractor shall bring the required grade of Bitumen as specified in the item of works in sealed Drums of ISI mark & standard company / Refinery of ISI grade.
2. The contractor shall test the bitumen free of charge in the standard approved. Laboratory as per ISI & CPWD practice for its quality.
3. The quality of Bitumen to be collected as per relevant codes of work as specified in ISI & CPWD practice.
4. In case the road work is done by Hot Mix Plant with mineral aggregate or at site the necessary relevant test of mix for quality and proportion of Bitumen to be carried out by the contractor on his own expenditures as per ISI codes & CPWD practice of the concerned works.

ADDITIONAL SPECIAL CONDITIONS

Plastic Emulsion and oil bound washable distemper & synthetic Enamel paint:

Material should be used of 1st quality manufactured by reputed firms like M/s Jenson & Nicholson, M/s ICI, M/s Asian Paints. Once the material is approved it shall be brought to site in original sealed tins/drum directly from the supplier and shall be held at the joint custody of all the contractor and Engineer-in-charge from the Department at site. Contractor shall hand over all the remaining painting materials to office after the consumption. Supply in part or broken containers will not be accepted for the work. Empty tins/drums should be removed from site only when passed/ordered by the Engineer-in-charge.

Paints shall generally conform in the chemical composition and other characteristics to the relevant British standards or I.S. specifications.

II External Paint: Manufacture of M/s Asian Paints

III a) Storing of Paint: All the materials shall be kept properly when not actually in use. Lids of container shall kept closed and the surface of the paint in open or partially open containers shall be covered with a thick layer of turpentine to prevent the formation of skin. Materials which in the opinion of the Engineer-in-charge have become stale or fat shall not be used on the work and shall be removed from the site of the work forthwith.

b) Preparation of the surface: Surface shall be thoroughly cleaned of all dust, stains etc. All cracks, crevices and unevenness shall be made good by applying enamel putty, allowing it to dry and then papering the same to give a smooth and even surface.

c) Application: After the preparation of surface and having got the area approved by the Engineer-in-charge paint shall be applied.

IV) a) Necessary cleaning of floors, doors windows and glass panes etc., after painting is to be done by the contractor, no extra payment will be made for such cleaning and washing of floors etc.

b) Contractor shall fully cover the house hold article with polythene sheet/cloth while painting inside the quarter.

c) Contractor shall clean sanitary and electrical installation including fans and also make good the damages if caused operation to any of the installations.

d) Contractor should quote rate for carrying out work up to any height as per scope of work and the location of the buildings in the campus.

e) All the Painting application have to carried out only be suitable paint brush/ Roller/Spray as required.

All reinforcement/ iron pipes/sheet shall be free from rust loose mill scale or coats of Oil, Paints etc. which may destroy bond and protected by anti-corrosive treatment before placing in position for concreting. The agency should use the steel manufactured by the Main Produces only. No re-rolled steel shall be incorporated in the work.

The owner shall supply one-point electricity connection on chargeable basis.

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Clause Planning and Designing in purview of Vulnerability Atlas of India

Vulnerability Atlas of India (VAI) is a comprehensive document which provides existing hazard scenario for the entire country and present the digitized State/UT – wise hazard, maps with respect to earthquakes, winds and flood for district-wise identification of vulnerable areas. It also includes additional digitized maps for thunderstorms, cyclones and landslides. The main purpose of this Atlas is its use for disaster preparedness and mitigation at policy planning and project formulation stage.

This Atlas is one of its kind single point source for the various stakeholders including policy makers, administrators, municipal commissioners, urban managers, engineers, architects, planners, public etc. to ascertain proneness of any city/location/site to multi-hazard which includes earthquakes, winds, floods, thunderstorms, cyclones and landslides. While project formulation, approvals and implementation of various urban housing, buildings and infrastructures schemes, this Atlas provides necessary information for risk analysis and hazard assessment. The Vulnerability Atlas of India has been prepared by Building Materials and Technology Promotion Council under Ministry of Housing and Urban Affairs, Government of India and available at their website www.bmtpc.org.

It is mandatory for the bidders to refer Vulnerability Atlas of India for multi-hazard risk assessment and include the relevant hazard proneness specific to project location which planning and designing the project in terms of :

- i. Seismic zone (II to V) for earthquakes
- ii. Wind velocity (Basic Wind Velocity 55,50,47,44,39 & 33 m/s)
- iii. Area Liable to Floods and Probable max. surge height
- iv. Thunderstorms history
- v. Number of cyclonic storms/severe cyclonic storms and max sustained wind specific to coastal region
- vi. Landslides incidences with Annual rainfall normal
- vii. District wise Probable Max. Precipitation

Additional Conditions-02 (Misc. Civil works & Renovation)

1. After taking the necessary drawings/sketches only contractor has to start the work.
2. All the materials to be got tested from the Labs of at Osmania University,/JNTU before incorporating in works as directed by Engineer-in-charge . Designing of CC Mix of required grades to be designed from the labs of Osmania University,/JNTU as per letter issued by Engineer-in-charge and Report to be submitted to the him for approval before incorporating in work.
3. Cement Stores to be constructed as per CPWD specifications for keeping cement. This Store cannot be permitted to use as joint/combined works.
4. All the bushes, trees, palm trees, bamboo grooves etc to be removed and to be disposed out as per site requirement.
5. After the work completed, the surplus earth to be removed and disposed of even if labour force is involved. The disposed earth in the campus has to be leveled, dressed etc. to complete as per instructions of Engineer-In-Charge. The surplus unwanted earth/debris etc to be disposed out of the campus by the contractor.
6. Contractor should incorporate material only after taking written approval from Engineer-in-charge. Contractor has to bring the material in advance, considering time required for testing of material, collecting of test reports etc.
7. Testing of the all the materials to be got done by the Contractor at his own cost by taking the letter from the Office of NGRI before incorporating them.
8. Contractor has to arrange error free leveling instruments, leveling staff, surveyor, etc. He has to submit the levels in required intervals of the ground / area where the work is earmarked to the Engineer-in-charge.
9. Contractor has to take levels of the work to be completed in writing from the Engineer-in-charge, before commencement of the work.
10. Expansion joint, etc. to be made/done as per instruction of the Engineer-in-charge.
11. Contractor has to safe-guard the waterlines, power lines, supply lines, sewer lines etc. including those in under ground. In case of damage the Contractor has rectify/restore with his own cost immediately without any further delay. No drawings are available, to know where the concealed services lines are passing.
12. Time of Completion of work is essence of the contract. If the Contractor fails to complete the work within stipulated time, penalty will be imposed as per relevant clauses of Agreement.
13. The Contractor has to get the lives of concerned workers sufficiently insured before commencement of the work, failing which he shall be personally responsible. NGRI/CSIR will not be responsible for any such lapse.
14. The centering and shuttering with materials of steel jack system, steel plates etc only.
15. The contractor should provide necessary safety equipment to his labours, while executing the work. The contractor is fully responsible for the safety of the labours engaged by him solely and CSIR-NGRI, Hyderabad is not liable to any form of compensation for any untoward incident/accident on any cost.
16. The contractor has to submit the BAR Chart/PERT chart along the stamp how the materials are arranging, by showing the time schedule of different items along with stamp for making the agreement.
17. 80% of work to be completed to the period of 70% time given to complete.

I read the CSIR Works Agreement Conditions also and work will be completed according to rules, conditions, additional conditions, special conditions, CPWD specifications, etc. and I will not claim for any additional amount over and above quoted rates to do the work including above conditions.

Stamp and Signature of the Tenderer