

A.C & Telephones Section

NOTICE INVITING TENDER

No. CSIO/6(18)/17-18/Ref & A.C.


NIT No. 01/2017-18/Ref./CSIO/Chd

Item rate sealed tenders in two bid system are here by invited for the following works in CSIR-CSIO, Sector-30, Chandigarh from the Contractors/ Firms of appropriate class registered with CPWD, State PWD, UT Electricity department, BSNL / P&T, Railway MES and / or those who have carried out at least three similar works for CSIR and / or other Government and Semi Govt. Organization amounting not less than either, three works 40 % of Estimated cost or two works of 60 % of Estimated cost or One work of 80 % of Estimated cost. As shown hereunder, during the last 7 years ending on **31 March 2018** against the work mentioned below. All the tenderers must submit along with the technical bid (Envelop-I) the definite proof from appropriate authorities which shall be to the entire satisfaction of the competent authority for valid, registration / enlistment, valid registration with ESI, EPFO, experiences of similar nature of work and having valid GST registration certificate. All the tenderers must produce valid registration on prescribed form and completion certificate in proof of above.

Name of the work	Estimated Cost E. M. D.	Time allowed (Months)	Last date & time of Receipt of The Tender	Date & Time of opening of Tenders
Annual Maintenance Contract of Refrigeration & Air-conditioning equipment's such as A.C., Fridge water cooler etc at CSIO sector 30 Chandigarh.	17,03,690-00 34,100-00	12 Month	19.04.2018 Up to 3:00 PM	19.04.2018 At 3:30 PM

The tender will not be issued physically. The interested and eligible parties are to download the complete tender documents from website www.csio.res.in . The bids will be submitted in two envelopes. Envelop-I main technical bids which will be opened first and Envelop-II containing the financial bid which will be opened only for eligible contractors at later date.

The details information is available on CSIO website(www.csio.res.in).


Superintending Engineer (Elect.)

वातानुकूलन एवं दूरभाष अनुभाग

निविदा आमंत्रण सूचना


सीएसआईओ/6(18)/17-18/प्रशीतन एवं वातानुकूलन

एनआईटी सं.01/17-18/ प्रशीतन/सीएसआईओ/चण्डीगढ़

सीएसआईआर-सीएसआईओ, सैक्टर 30, चण्डीगढ़ में निम्नलिखित कार्य के लिए सीपीडब्ल्यूडी, राज्य पीडब्ल्यूडी, यूटी विद्युत विभाग, बीएसएनएल/ पी एंड टी/ रेलवे, एमईएस, सरकारी एवं अर्ध सरकारी संगठनों के पंजीकृत उपयुक्त श्रेणी के ठेकेदारों / फार्मों से जिन्हें विभिन्न सरकारी, अर्धसरकारी संगठनों में इसी प्रकार के कार्य का अनुभव हो तथा जिन्होंने सीएसआईआर तथा /अथवा अन्य सरकारी एवं अर्धसरकारी संगठनों अथवा निगमत कार्यालय के लिए 31 मार्च 2018 तक पिछले सात वर्षों के दौरान इसी प्रकार के कम से कम अनुमानित लागत के 40% के तीन कार्य या अनुमानित लागत के 60%के दो कार्य या अनुमानित लागत के 80%का एक कार्य सफलतापूर्वक पूर्ण किए हों, से वस्तु दर निविदाएं दो लिफाफा प्रणाली में आमंत्रित की जाती हैं। सभी निविदाकार सक्षम प्राधिकारी के संतोष के अनुरूप उपयुक्त प्राधिकरण द्वारा जारी, वैध पंजीकरण/सूचीकरण, ई.एस.आई. तथा कर्मचारी भविष्य निधि संगठन के साथ वैध पंजीकरण, समान कार्य का अनुभव तथा वैध जीएसटी पंजीकरण प्रमाण पत्र से संबंधित निश्चित साक्ष्य तकनीकी बोली (लिफाफा-I) के साथ जमा करेंगे। सभी निविदाकारों को उपरोक्त के साक्ष्य के रूप में निर्धारित प्रपत्र में पंजीकृत एवं कार्य पूर्ण करने संबंधी दस्तावेज़ प्रस्तुत करने होंगे।

कार्य का नाम	अनुमानित लागत पेशगी राशि (रुपये)	कार्य की अवधि (माह)	निविदा प्राप्त करने की अंतिम तिथि एवं समय	निविदा खोलने की तिथि एवं समय
सीएसआईओ, सैक्टर-30, चण्डीगढ़ में प्रशीतन एवं वातानुकूलन संयंत्रों जैसे कि ए सी फ्रिज वाटर कूलर आदि के अनुरक्षण का ठेका	17,03,690-00 34100.00	12 माह	19.04.2018 सायं 3.00 बजे तक	19.04.2018 सायं 3.30 बजे

निविदा प्रपत्र में जारी नहीं की जाएगी, इच्छुक एवं पात्र पार्टियों को इसे सीएसआईओ की वेबसाइट www.csio.res.in से पूर्ण निविदा दस्तावेज़ डाउनलोड करना होगा। बोलियां को दो लिफाफे में प्रस्तुत करना होगा। पहले लिफाफे में तकनीकी बोली होगी, जिसे पहले खोला जाएगा तथा इसके बाद केवल पात्र ठेकेदारों के वित्तीय बोली वाले दूसरे लिफाफे को बाद में खोला जाएगा। इस संबंध में विस्तृत विवरण सीएसआईओ की वेबसाइट पर उपलब्ध है।

 **हृदय दास**
अधीक्षण अभियंता (विद्युत)



3

No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

CSIR-CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
SECTOR 30, CHANDIGARH.

A.C. & Telephone Section

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such as A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

S.No.	Description	CONTENTS	No. of pages
1.	Contents		01
2.	Notice Inviting Tenders & Annexure-I, II,		07
3.	Scope of work		02
4.	Additional terms and conditions & tool list		03
5.	Schedule of quantity		06
6.	Bank detail and other information sheet		01
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8.	General conditions of contract	}	25
9.	Special Conditions		
10.	Additional Conditions		
11.	Indenture for Secure Advance		
12.	Performance Guarantee		
13.	Amendment- condition of contracts for works		

NOTE: Tenderers should confirm before quoting the rates that they have downloaded all above papers from Serial No. 1 to 13.

1. **Tender Fee:** - Pay order/ D.D.No. _____ Dated _____ from the Bank drawn in favour of Director, CSIO, Chandigarh payable at Chandigarh for Rs **500.00**.....

2. **EMD:** - Pay order/ D.D.No. _____ Dated _____ from the Bank drawn in favour of Director, CSIO, Chandigarh payable at Chandigarh for Rs **34100.00**.....

I/We have read and understood all the items, conditions, all relevant documents seen the drawing/sketch and visited the site.

SIGNATURE OF CONTRACTOR



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

NOTICE INVITING TENDERS

1. Item rate sealed tenders in two bid system are here by invited for the following works in CSIR-CSIO, Sector-30, Chandigarh from the Contractors/ Firms of appropriate class registered with CPWD, State PWD, UT Electricity department, BSNL / P&T, Railway MES and / or those who have carried out at least three similar works for CSIR and / or other Government and Semi Govt. Organization amounting not less than either, three works 40 % of Estimated cost or two works of 60 % of Estimated cost or One work of 80 % of Estimated cost. As shown hereunder, during the last 7 years ending on **31 March 2018** against the work mentioned below. All the tenderers must submit along with the technical bid (Envelop-I) the definite proof from appropriate authorities which shall be to the entire satisfaction of the competent authority for valid, registration / enlistment, valid registration with ESI, EPFO, experiences of similar nature of work and having valid GST registration certificate. All the tenderers must produce valid registration on prescribed form and completion certificate in proof of above.
2. Estimated cost is Rs.17,03,690-00 (**Rupees seventeen lakh three thousand six hundred ninety only**). Based on Chandigarh UT DC Labour rate and market rates.
3. Time for carrying out the work will be **Twelve Months** from the date of commencement shall be reckoned from the Tenth day from issue of award letter.
4. Tender Fee of Rs 500-00 and EMD of value amounting to Rs.34100-00 as a **Demand draft or pay order** of a schedule bank and drawn **in favor of Director, CSIO, Chandigarh** should accompany the tender separately. Tenders received without tender fee and earnest money will be invalid.
5. Time for carrying out the work will be **12 months** and the date of commencement shall be reckoned from the Tenth day from issue of award letter.
6. **Tender shall not be issued physically.** The interested and eligible parties are to download the complete tender document from website **www.csio.res.in**
7. The firms shall be required to submit the bids in two envelopes (envelops should super scribed with envelop no. & documents in envelop).

Envelope-1:- Will contain self attested copies of valid documents related to eligibility criteria registration certificate, including the followings:-

- a) Tender Fee & EMD of value as specified in the NIT should be deposited separately in form of DD/pay order.
- b) Satisfactory completion certificates for similar works & minimum. Values as mentioned above in composite tender. The completion certificate should contain all necessary information including date of start and completion, completion amount & scope of work.
- c) Valid Registration Certificate of appropriate class.
- d) Copies of registration of ESI & EPF number

I have read and understood all the above terms & conditions

Signature of contractor



No. CSIO/6(18)/17-18/Ref & A.C

NIT No. 01/2017-18/Ref./CSIO/Chd

- e) Copy of PAN Card of firm.
- f) Firm's authorized email ID for correspondence
- g) Copy of power of attorney and partnership deed if the firm is not proprietor firm.

Competent authority of CSIR-CSIO has the right to reject the tender in case of non-submission of documents along with the tender document in Envelop-1.

Envelop-2:- will contain Financial Bid including complete tender documents available on website for downloading.

Envelope-1 will be super scribed with envelope-1 containing tender fee, EMD, GST registration & satisfactory completion certificates.

Envelope-2 will be super scribed with-envelope-2 containing complete tender document downloaded from website after quoting rates.

The agencies are to follow two envelope system strictly as described above.

The tenderer are advised to enclose experience certificate more than minimum required as per NIT.

8. Envelope-1 & 2 are to be sealed separately. Both the envelope are to be sealed in bigger size envelope. Envelope-1,2 & bigger size envelope (main) subscribed with the name of the work, date and time of opening written both on the inner and outer envelopes. They will be received up to **3.00PM on 19.04.2018** and will be opened at CSIO Chandigarh in the Committee Room of administration by the committee on **19.04.2018 at 3.30 PM** in the presence of tenderers present. **Tender should be handed over to the Dak Receipt Clerk of Receipt & Dispatch Section in the Administrative Block before the closing date and time indicated.** In case these are sent by post these should be sent by Reg. Post/speed post addressed to Administrative officer, CSIO, Chandigarh. Quoted parties are to ensure that they should post the tender well in advance so as to reach before the closing time and date indicated.
9. The tenders will be opened on 19.04.2018, 3.30PM in the presence of tenderers or their representatives present if any. Only Envelope-1 shall be opened on this date & time.
10. The bidders shall be qualified after scrutiny of credentials.
11. Envelope-2 shall be opened only of qualified bidders, on notified date & time, in the presence of qualified tenderers or their representatives present, if any. The notification shall be available on website.

I have read and understood all the above terms & conditions

Signature of contractor



No. CSIO/6(18)/17-18/Ref & A.C

NIT No. 01/2017-18/Ref./CSIO/Chd

12. When no rate has been quoted for any item, leaving space both in figures, words and amount blank, it will be considered that the tenderer has included cost of this item in other items and rate for such item will be considered as zero and work will be required to be executed accordingly. Tenderers must ensure that all the prints of downloaded document should be of good quality. Vogue/poor quality of printed documents and incomplete documents will not be accepted. The decision of TOC in the matter will be final.
13. If any tenderer withdraws the tender before award of work or makes any modification in terms and conditions of the tenders which are not acceptable to the department, then CSIO shall without prejudice to any right or remedy be at liberty to forfeit 50% of earnest money.
14. Conditional tenders & tender with **use of fluid**, shall be rejected.
15. Corrigendum/Addendum, if any etc., will be on www.csio.res.in only.
16. Complete contract documents, to be compiled with by the quoted party, whose Tender may be accepted, can be seen in the Electrical Section, CSIO, Chandigarh.
17. The Employer does not bind himself to accept the request or any tender and reserves to himself the right to accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rates quoted.
18. Canvassing in connection with the Tender is prohibited and the Tender submitted by the contractor who represent to canvassing are liable for rejection.
19. The quoted party shall not be permitted to tender for works in the concerned unit of CSIR in which a relative is posted in the grade between controller of Administration and Junior engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or 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 (b) they are husband and wife; (c) the one is related to the other 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 wife, Son's daughter, Son's daughter's husband, Daughter's daughter husband, Brother (including step Brother). Brother's wife, sister (including stepsister), Sister's husband

20. 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.

I have read and understood all the above terms & conditions

Signature of contractor



No. CSIO/6(18)/17-18/Ref & A.C

NIT No. 01/2017-18/Ref./CSIO/Chd

21. The quoted party shall quote rates both in figures and words. He shall also workout the amount for each item of work and writes in both figures and words. On check if there are differences between the rates quoted by the quoted party in words and figures on amount worked out by him, the following procedure shall be followed:
 - i) When there is a difference between the rates in figures and words, the rates, which correspond to the amounts worked out by the quoted party, shall be taken as correct.
 - ii) When the amount of an item is not worked out by the quoted party or it does not correspond with the rate written either in figures or in words, the rate quoted by the quoted party in words shall be taken as correct.
 - iii) When the rate quoted by Quoted party in figures and in words tallied by the tenderer shall be taken as correct and not the amount.
22. The Quoted party should see drawings and incase of doubt obtained required particulars, which may in any way influence his Quotation from the Engineer In-Charge as no claim whatsoever will be entertained for any **alleged ignorance thereof**.
23. **Before quoting, the Quoted party shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working conditions of site and locality including stacking of materials, installation of tools and plants (T&P) etc., conditions affecting accommodations and movement of Labour etc, required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the Employer in any circumstances.**
24. Earnest Money will be forfeited if the contractor fails to commence the work as per letter of work order.
25. Except writing rates and amount, the Quoted party should not write any conditions or make any changes, additions, alterations and modifications in the printed form of Quotations. Quoted parties who are desirous to offer rebate the same should be brought out separately in the covering letter and submitted along with the Quotation.
26. Some of the provisions of General Conditions of Contract are given below. Interpretation however shall be as given in the General Conditions of Contract
 - a) **DEFECT LIABILITY PERIOD:** - 01 month from the date of completion as certified by the employer
 - b) **MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE:**
Running Bill or intermediate certificate of minimum value of work for an Amount of Rs. 4.00 Lac Running bill can be admitted for payment.

I have read and understood all the above terms & conditions

Signature of contractor



No. CSIO/6(18)/17-18/Ref & A.C

NIT No. 01/2017-18/Ref./CSIO/Chd

- c) **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 tendered value of 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 valid for the defect liability period after completion of the work with in the period prescribed for commencement of work in the letter of award issued to him in the form of Bank Guarantee or Govt. security or FDR pledged in the name of Employer.
- d) **COMPENSATION:** Contractor shall pay as compensation an amount equal to one percent 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 uncompleted or unfinished or due quantity of work remain incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of the work as shown in the tender..
27. You may approach the Director of the Organization within a period of 15 days in the event of delay in taking the decision, difficulty in making payment etc. along with relevant documents to substantiate your case.
28. Contractor /Agency will obtain satisfactory / completion certificate from indenter / inspection committee before running / final bill is prepared for payment.
29. Since CSIO is a PROHIBITED PLACE, the working hours will be restricted to 9.00 AM to 5.30PM on working days /holidays. In some of the areas in the campus, working on holidays may not be possible. The contractor will quote their rates taking this position into account no compensation or extension of time will be permitted on this account.
29. The Employer under clause 6 of General conditions of contract will supply no material except as per ANNEXURE -I. for works connected to be executed. However, other material of respective make as per items mentioned in schedule of Quantities will be used by the contractors as mentioned in ANNEXURE-II
30. Use of fluid anywhere in tender documents is not allowed. In case of use of correction fluid is noticed by the tender opening committee, such tender will be cancelled.
31. In case of dispute, if any, arises on account of interpretation of terms & conditions of tender documents, only English version will be valid.
32. Contractor/ Agency will abide by the guide lines about the site supervisor intendance as per and Information of staff will be submitted at the time of work order with acceptance of work
33. Construction worker/ maintenance worker Labourcess @ fixed by the appropriate authority will be deducted from the bills of the contractor & deposit with the authority concerned in a reference to Chandigarh administration Memo No. A(BOCW)/2010/10/20 Dated 21/12/2010.

I have read and understood all the above terms & conditions.

Signature of Contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Annexure - I

CSIR-CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION

SECTOR-30 CHANDIGARH-160030

A.C & TELEPHONES SECTION

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such as A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

MATERIAL TO BE SUPPLIED BY C.S.I.O.

Material which is required to complete the job, but not included in this tender.

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I have read and understood all the above terms & conditions.

Signature of Contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

ANNEXURE-II

**CSIR-CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
SECTOR-30 CHANDIGARH-160030**

A.C & Telephones Section

Name of work: - Annual maintenance contract of Refrigeration & A.C. Equipments such as Air Conditioner, Fridge, water Coolers etc. at CSIO Sec-30, Chandigarh.

List of Materials

S.No.	Description of material	Make & firm 's Name
1.	R-22 Gas, R-134A	Branded Make
2.	Copper pipe of thickness 0.77mm	Good Quality /Branded Make/Totaline
3.	Insulation(expanded polythylene foam 5mm tubing)	Good Quality
4.	PVC Cable 1.1 KV grade ISI Marked.	Ecko/National/Citirana/PolyCab/Ralison/Finolex
5.	Capacitor	EPCOS/USHA/INDOKOPP
6.	Overload Relay/Thermostat	Techemsha/Rental
7.	Electrical Fan Motor/blower motor	Universal/GEC/CROMPTIO/as required
8.	Sealed Hermetic type Compressor (Rotary/Reciprocating)	Kirlosker/Techemsha/Carrier/Matshutisa/Hitachi / Copeland /as per requirement
9	Industrial metallic plug top 20 Amp	Standard/Anchor/Havells/Hager

Note:- Any Deviation in the approved makes of Electrical material due to non availability of material or change of model by the manufacturer can be considered by Engineer in charge or competent authority of CSIO after submission of request from the execution agency with justification on the basis documentary proof etc.

I have read and understand all the above terms and conditions.

Signature of Contactor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such as A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

Scope of work

1. Work of annual maintenance contract of refrigeration and air –conditioning equipment covers all repair and maintenance work of all window, split, multisplit, cassette, package type air-conditioners, storage type water coolers of capacity 40 to 150 ltrs, Dispensars, deep freezers refrigerators of various capacities and water purifier systems RO and UV type installed at various places in CSIO as in Technical block, Library Block, AOPD, CMW, Administration Block, Guest House, ISTC, Dispensary, creche, community centre, camp office etc. The work is also covers the operation of Air-conditioning plant for CSIO Auditorium.
2. Under the sub head B material will be supplied by the contractor / firm as and when required at the site.
3. Under the Sub head C work of comprehensive annual maintenance of UV and RO type water purifier contractor will provide additional man power for the same. Overhauling and servicing of all machines will be done twice in a year & replacement of consumable filter and cartridge etc is mandatory once in a year. All break down complaints will be attended and rectified by the firm as and when required during the contract period without any extra charge.
4. Two mechanic, two helpers always available at site during working hours on all working days (five days in a week) and require to make attendance in the Air-conditioning Section.
5. The contractor and his staff shall be allowed to enter the laboratory premises on production of valued gate passes issued by CSIO.
6. Firm have to provide the services after the office hours in working days or in holidays as & when required by the office at the time of emergency/urgent job without any extra charges.
7. The contractor / firm shall ensure a visit by Engineer / Supervisor on weekly basis and meet In charge Air-conditioning Section for better coordination and smooth working.
8. The contractor shall maintain all the machines in good working condition throughout the contract period and they will be handed over to CSIR-CSIO in working condition on the eve of the expiry of the contract period.
9. Attending the complaints immediately as and when required and maintaining record of all complaints.
10. Following times schedule will be strictly followed by the contractor for completion of the job.
 - Minor job- Same day or Next day
 - Medium job- within two days
 - Major job- within four days

I have read and understand all the above terms and conditions.

Signature of Contactor



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11. The contractor shall maintain the register / job card in which he will get the signature from the users after attend complaints and the same will be counter signed by the officer in charge at Air-conditioning Section, CSIO.
12. Retrieved material of the system after the replacement/repair work will be property of CSIO
13. Complete overhauling including washing (wet service) of all AC units, water coolers etc and 3 dry services in a year.
14. Quantities shown in schedule of quantity A and B are tentative, payment will be made as quantity executed during the contract period.
15. All the component required for replacement will be manufacturer's make or of equivalent quality.
16. Non working window AC, split AC, water cooler, water filter etc for more than 4 working days due to non availability of spare part or any material within the scope of this tender, a payment of deduction will be made of Rs 100/- per day per unit from fourth day of register of complaint.
17. Sufficient stock of spare parts for all kind of machines, including Refrigerant gas shall be kept in his store. the contractor shall ensure that no machine is idle due to non availability of spare parts.

I have read and understand the above terms and condition.

Signature of contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such as A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

ADDITIONAL TERMS AND CONDITIONS

1. The firm has to provide worker of skilled nature & have knowledge & experience of repairing of refrigeration and air-conditioning equipments during the contract period.
2. The contractor shall ensure that workers are punctual & disciplined in performance of their duty. Further the contractor shall engage the workers who are medically & physically fit.
4. The contractor /firm shall have to pay wages not less than fair wages are compliance of labour laws or as amended from time to time and contractor have to make the payment monthly to the deputed staff as per Labour law in their bank account. It shall be the liability of the contractor to follow all the labour law as per GOI notification.
5. Department shall have not any responsibility or liability of any kind of mis-happening /accident with staff deployed by the contractor under this contract deputed during the work in CSIO. Further, in this connection contractor / firm must submit the photocopy of the insurance, which is implemented on that particular person to cover incident within 10 days from the date of deployment. In addition to this the contractor shall provide the safety items, such as tool kit, safety shoes, umbrellas, insulation gloves etc. to the workers.
6. The Director CSIO has the right to discontinue/cancel the contract at any time if performance is found unsatisfactory in opinion of Engineer In charge by giving notice.
7. The contractor shall submit the details in regard of name, father's name, residential address, age etc. of the person deployed by him in the premises of the institute for the purpose of proper identification of the employees of the contractor, deployed at various points. Contractor shall also issue the Identity Cards bearing their photographs/identification etc.
8. The contractor shall make his own arrangement for the alternative staff in case of going of worker on leave, for which no extra payment shall be made by the department. It is mandatory that the strength of man power remain the same.
9. Similarly in case of absence of any worker, penalty will be imposed at the rate of per day wage on the basis of the rate quoted by the contractor for the day he remains absent in Sub Head-I
9. The contractor/firm will make his own arrangement for Tool & Plant required for complete the job such as welding/brazing set refrigeration tools, gages, charging line, vacuum pump etc or any other equipment if required for the work, for which nothing extra will be paid
10. CSIO is a prohibited area, so contractor's staff is bound to obey the rules & regulations of security section from security point of view.
11. No price enhancement will be given by CSIO during the AMC contract.

I have read and understood the above term and condition.

Signature of contractor

No. CSIO/6(18)/17-18/Ref & A.C.



NIT No. 01/2017-18/Ref./CSIO/Chd

12. The detail regarding Tax should be clearly indicated at the time of submission of Tender. However rates quoted by the contractor shall include all tax, duties and other local taxes in respect of this contract. The total amount of tender will be considered after adding this.
13. Contractor has to give the leaves to their working staff as per the prevailing labour act.
14. Before quoting the rates, contractor make sure that his quoted rates are sufficient for compliance of labour laws, failing which the tender will be rejected straight way.
15. The tenders with any condition including conditional rebates shall be rejected. However, tenders with unconditional rebates will be acceptable.

Note:

1. Any accident during the execution of the job due to following of safety procedures is purely at the responsibility of contractor. Department is not responsible for any accidents/damages/death. Safety of all the staff of the contractor is the sole responsibility of the contractor.
2. Any penalty imposed by the Govt. or local administration in following the labour laws is purely at the responsibility of contractor. Department is not responsible for any penalty imposed by the Govt. or local administration on account of delay in deposit or not depositing of installment of EPF/ESI to the concerned department. Compliance of labour laws is the sole responsibility of the contractor.

I have read and understood the above term and condition.

Signature of contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

List of Tools

All the tool and plant which is required to complete job satisfactory and in efficient manner will be provided by contractor without any extra charges.

- Brazing /batti set
- Vacuum pump
- AC servicing pump
- Pressure gauges
- Charging lines
- Punching tools
- Copper Tube bender (spring type/ lever type)
- Tube cutter
- Flaring tool
- Swagging tool
- Various types of wrenches (adjustable, Allen keys, open, box types etc) as required
- Various types of pliers as Electrical, Nose, slip joint pliers etc.
- Sets of screw drivers/ line tester
- Various types of files as half, round, flat files etc.
- Measuring Tape
- Electrical Drilling machine
- Ladder
- Hack saw
- Hammers, chisels etc
- Multi meter
- Digital Clamp meter
- Thermometer

I have read and understand all the above terms and conditions.

Signature of Contactor



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**CSIR- CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
(A.C. & TELEPHONES SECTION)**

No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

SCHEDULE OF QUANTITY

Sub Head A

s.no	Description of item	Unit	Qty	Rate in fig. & In words	Amount
1	Item no 1 Deployment of man power at least two AC mechanic and two helper with all required tool and plant, for the work of Preventive and breakdown maintenance of app 550 nos window, split cassette multisplit air-conditioners 50 nos drinking water coolers, refrigerators geysers heat blowers etc installed at various places / buildings in CSIR-CSIO sector 30 c Chandigarh as mentioned in scope of work. Operation of package air-conditioning plant of 66 tr capacity for auditorium as per requirement.	Months	12		
	NOTE:- Before Quoting the rate for Item No. I & 2, contractor should ensured that quoted rate should not be below the minimum saturatory required amount of labour. (minimum wages + PF +ESI + Income tax +Insurence etc.) based upon the latest minimum wages declared by DC,Chandigarh Administration in persuance of the Govt.letter No. 7004/F.41/6057 1 (FIN,GEN)and the clause no 6 of the Gazette Notification of Ministry of Labour & Emolymnet(Govt. of India), New Delhi dated 20/05/2009for complince of labour laws, failing which the tender will be rejected strapight way				
	Total Sub Head A				

I have read and understand the above terms and condition

Signature of contractor



**CSIR- CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
(A.C. & TELEPHONES SECTION)**

No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such as A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

SCHEDULE OF QUANTITY

Sub Head B

s.no	Description of item	Unit	Qty	Rate in fig. & In words	Amount
1	Supply of gas R 22	Kg	60		
2	Supply of gas R-134a	Kg	5		
3	Supply of gas R-410	Kg	5		
4	Supply of Branded new 1.5 Ton rotary Compressor as per required Make & modal, for installed window/ split Acs of various makes as VOLTAS/LG/Lloyd/hitachi/ Blue star	Nos	10		
5	Supply of Branded new 2.0 Ton rotary Compressor as per required Make & modal, for installed window/ split Acs of various makes as VOLTAS/LG/Lloyd/hitachi/ Blue star	Nos	5		
6	Supply of Compressor for fridge of capacity 180/225/240/250/275/280 Ltr of various models as LG/whirpool/Carrier /Samsung /videocon etc VOLTAS/LG/Lloyd/hitachi/ Blue star	Nos	2		

Signature of the contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

s.no	Description of item	Unit	Qty	Rate in fig. & In words	Amount
07	Supply of 1 ton reciprocating Compressor /compressor for 150 ltr Sidwal Water cooler of refrigerant R-22 as per requirement	Nos	3		
08	Supply of 1 ton reciprocating Compressor /compressor for 150 ltr Sidwal Water cooler of refrigerant R-134 a as per requirement	Nos	2		
09	Supply of 2.0 Ton reciprocating Compressor for LG/ Voltas/ Carrier/ Hitachi make Air conditioners as per requirement.	Nos	2		
10	Supply of split AC indoor unit for various Brands of AC as LG/ Voltas/feddor lloyd/carrier etc as per requirement	Nos	2		
11	Supply of window/Split AC condensing coil of various Brand as LG/ Voltas/feddor lloyd etc as per requirement	Nos	2		
12	Supply of blower for window and split AC of various makes and models as LG/Voltas/Hitachi etc as per requirement	Nos	5		
13	Supply of condensor fan for window/ split AC/ water cooler etc of various makes and models as LG/Voltas/Hitachi etc as per requirement	Nos	10		
14	Supply of Blower Motor for indoor unit of split Air-conditioners of various makes and modal as Voltas/ Carrier Hitachi etc as per requirement	Nos	5		
15	Supply of Blower Motor/ Condenser fan motor for Air-conditioners /water cooler /deep freezer etc of various makes and modals as per requirement	Nos	5		
16	Supply of Copper pipe dia 1/4"	Feet	50		

Signature of the contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

s.no	Description of item	Unit	Qty	Rate in fig. & In words	Amount
17	Supply of Copper pipe 3/8"	Feet	50		
18	Supply of Copper pipe 1/2"	Feet	50		
19	Supply of Copper pipe 5/8"	Feet	50		
20	Supply of thermal insulation Nitrile sleeve for split AC Copper piping.	Feet	300		
21	Supply of wall mounted/ floor mounted factory fabricated powder coated MS stand for split AC out door unit	Nos	10		
22	Supply of PVC pipe of dia 25 mm for AC Drain water	Feet	200		
23	Supply of PVC socket elbow tee etc for AC Drain water pipe of dia 25 mm	Nos	90		
24	Supply of PVC insulated 2.5 sq mm 3 Core Cable	feet	100		
25	Supply of 3 pin plug top 16 A	Nos	12		
26	Supply of industrial metallic Plug Top 20 Amp	Nos	12		

Signature of the contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Sr.no	Description of item	Unit	Qty	Rate in fig. & In words	Amount
27	Supply of Starting Capacitor " 100-120 mfd".	Nos	15		
28	Supply of Running Capacitor 1.5 / 2.5 mfd.	Nos	30		
29	Supply of Running Capacitor 4/6 mfd.	Nos	50		
30	Supply of Running Capacitor 10 mfd.	Nos	10		
31	Supply of Running Capacitor 36 / 45 mfd.	Nos	50		
32	Supply of Running Capacitor 50/60 mfd.	Nos	30		
33	Rewinding and Repair of Blower Motor/ Condenser fan motor for Air-conditioners /water cooler /deep freezer etc including replacement of bush shaft etc	Nos	30		
34	Repairing of PCB of Air-conditioners with remote control	Nos	20		
35	Mislenious items required for repair and maintennace work as brazing rod, Flux.Oxygen gas, LPG gas,Nitrogen gas, thimbles, tape screw capillary, filter etc, for whole year as per requirment	Lump sum	1		
	Total Sub Head B				

Signature of the contractor



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**CSIR- CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
(A.C. & TELEPHONES SECTION)**

No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Name of Work: - Annual maintenance contract of Refrigeration & A.C. equipments such as A.C., fridge, water cooler etc at CSIO Sec-30, Chandigarh.

SCHEDULE OF QUANTITY

Sub Head C

Sr. no	Description of item	Unit	Qty	Rate in fig. & In words	Amount
01	Comprehensive Annual Maintenance of UV type water purifiers of various make modal including one time candle filter/cartridge replacement	Nos	40		
02	Comprehensive Annual Maintenance of RO type water purifiers of various Makes modals including one time candle filter/cartridge replacement	Nos	20		
	Total Sub Head C				

SUMMARY

Total Sub Head A Rs.....

Total Sub Head B Rs.....

Total Sub Head C Rs

Discount if any

Net quoted Tender (Sub Head A+B+C)

Signature of the contractor



No. CSIO/6(18)/17-18/Ref & A.C.

NIT No. 01/2017-18/Ref./CSIO/Chd

Bank detail and other information sheet

Name of the Beneficiary	
Account No	
Nature of Account	
MICR No	
Name of the Bank	
Name and address of Branch	
Branch IFSC Code	
PAN no. of contractor / Firm	
GSTN of contractor / Firm	
Status of PAN (i.e. individual, HUF, Firm, Company, Trusts, Body of Individuals, Association of Persons etc.)	
Name of contractor	
Address of contractor	
Phone./Mob. No of Contractor	
Email-id	

Signature of contractor

**ARTICLES OF AGREEMENT**

ARTICLE OF AGREEMENT MADE AT Chandigarh this **BETWEEN** the Council of Scientific & Industrial Research, New Delhi, a Society registered under the Societies Registration Act, 1860 (Hereinafter referred to as the Employer, which expression shall include its successors and assignees and authorized officers of the Society) of the one part and, trading in the name and style of (hereinafter referred to as the contractor(s), which expression shall include his/their respective heirs, executors, administrators and permitted assignees) of the other part.

WHEREAS the Employer is desirous of getting the work of "....." done and has caused drawings, schedule of Quantities and Specifications describing the work to be prepared.

AND whereas the said specifications and the schedule of quantities and other documents have been signed by on behalf of the parties.

NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. In consideration of the payments to be made to them as hereinafter provided the Contractor shall upon and subject to the conditions hereinafter contained execute and complete the work at the rates specified in the attached schedule of quantities and with such materials as are provided for and in accordance in all respect with specifications, designs, drawings and instructions in writing. Time for carrying out the work will be and the date of commencement shall be reckoned from the tenth day of issue of award letter.
2. The Employer shall pay to the Contractors such sums as shall become payable hereunder at the times and in the manner specified in the said conditions.
3. This agreement contains the following documents in addition to pages of Article of Agreement.

i) General conditions of Contract	Page Nos.
ii) Special conditions	Page Nos.
iii) Additional Conditions	Page Nos.
iv) Indenture for Secured Advance	Page Nos.
v) Amendment- Conditions of contracts for works & Additional conditions for steel and cement	Page Nos.
vi) Original tender document along with the covering letter of the firm and copy of Award letter and Performance Warranty	Page Nos.

In witness whereof the parties hereto have set their respective hands theand year herein above written.

Signed by for on behalf of Employer _____

In the presence of 1. _____ 2. _____

Signed by the said Contractor _____

In the presence of 1. _____

Controller of Finance & Accounts
C.S.I.O., Sector-30, Chandigarh

GENERAL CONDITIONS OF CONTRACT

1. INTERPRETATION

(a) In construing these conditions, the Specifications, the Schedule of Quantities, Tender, Special Conditions and Agreement, the following words shall have the meanings herein assigned to them except where the subject or context otherwise requires.

(b) This contract shall comprise of the Articles of Agreement, General Conditions of Contract, Special Conditions, Additional Special Conditions, the Schedule of Quantities, Specifications, letter of acceptance of tender and other documents mentioned in the contents sheet attached hereto and including those to which only reference is made herein.

WORK OR WORKS: shall mean all work or works defined in schedule of quantities, specifications and such other work or works as the contractor may be entrusted with for carrying out under this contract

ENGINEER: shall mean the Engineer designated by the Employer to superintend and perform other duties as indicated in the contract

CONTRACTOR: shall mean the individual or Firm or Company, whether incorporated or not, undertaking the work and shall include the legal personal representative or such individual or the persons composing such Firm or Company or the successors of such Firm or Company and the permitted assignees of such individual or Firm or Firms or Company.

SITE: shall mean the site of the contract works including any buildings and erections thereon and any other land adjoining thereto (inclusive) as aforesaid allotted by the Employer or the Engineer for the contractor's use.

COMPENSATION: Shall mean all sums payable by way of compensation under any of the conditions shall be considered as reasonable compensation without reference to the actual loss or damage sustained and whether or not any damage sustained, and whether or not any damage shall have been sustained Words imputing persons include firms and corporations; words imputing the singular only also include the plural and vice versa where the contexts so required. The headings are given to the clauses for convenience and they will not limit the meaning or scope of the clauses in any way

2. DRAWINGS AND SPECIFICATIONS

The contractor shall execute whole and every part of the work in the most substantial and workmanlike manner both as regards material and otherwise in every respect in accordance with the specifications. The contractor shall also conform exactly and faithfully to the design, drawings and instructions given in the respect of the work by the Engineer. The contractor shall be furnished free of charge one copy of such specifications and all such designs, drawings and instructions as are not included in the printed publications.

3. CONTRACTOR TO PROVIDE EVERYTHING NECESSARY

(a) The contractor shall provide at his own cost all materials, (except such materials, if any as may in accordance with the contract be supplied by the Employer) plants, tools, appliances, implements, ladders, scaffolding, temporary works, etc. requisite or proper for the execution of the work whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or which may be necessary for the purpose of satisfying or complying to the requirements of Engineer, as to any manner as to which under these conditions he is entitled to be satisfied together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with means and materials necessary for the purpose of setting out works and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer at the expense of the contractor and the expenses may be deducted from any money due to the contractor under the contract and/or from his Security Deposit.

(b) The contractor shall provide himself with requisite quantity and quality of water for carrying out the works at his own cost. If, however, piped water is supplied by the Employer, the contractor shall pay for the water at one per cent of the total cost of the work done except on Electrical work, Air-conditioning work and Furniture work. The contractor shall make his own arrangement for water connection and laying of further pipelines from the source of supply of the Employer. It should be clearly understood that the Employer does not guarantee to maintain uninterrupted supply of water and it will be incumbent on the part of the contractor to make alternative arrangement for Water at his own cost in the event of any temporary break-down in the water mains so that the progress of work is not held up for want of water. No claim as damages or refund of water charges will be

entertained on account of such break-downs. However, if the contractor is permitted to make his own arrangement to draw water from a well, hand-pump, or natural river or pond of the Employer, no charges will be made for the water drawn from the same, but the contractor will make good any damage done to the installations and ensure that the quality of water used in the work is conforming to BIS codes and provide for any treatment at his own cost.

(c) The contractor shall be allowed to construct temporary wells in Employers' land for taking water for construction purpose only after he has permission of the Employer in writing. No charges shall be recovered from the contractor on this account but the contractor shall be required to provide necessary safety arrangement to avoid any accident or damage to adjacent buildings roads and service lines. He shall be responsible for any accident or damage caused due to construction and subsequent maintenance of the wells and shall restore the ground to its original condition after the wells are dismantled on completion of the work.

(d) The Employer on no account shall be responsible for the expenses incurred by the contractor for hired ground or water obtained from elsewhere.

(e) Subject to availability the Employer may supply power at only one point from where the Contractor shall make his own arrangement for distribution including provision of electric meters, switches, fuses etc. at his own cost. These shall be in the custody of the Employer. If there is any hindrance caused to other works the contractor shall reroute or remove such temporary lines without any extra cost. Such temporary lines shall be removed after the completion of work. The cost of power consumed by the contractor shall be payable to the employer at rates fixed by the Employer, which would be deducted from the running account bills. However the Employer does not guarantee the supply of power and no compensation for any failure or short supply of power shall be entertained.

4. AUTHORITIES, NOTICES & PATENTS

(a) The contractor shall conform to any regulations and bye-laws of any corporation and of any electricity supply company and authorities with whose systems the structure is proposed to be connected, and shall before making any variations from the drawing and specifications that may be necessitated for so conforming by giving written notice to the Engineer specifying the variations proposed to be made, the reasons for making it and apply for instructions thereon. If the compliance with this clause involves any extra work not included in this contract, he shall specify these items of work and the allowance of extra payment required on their account.

(b) The contractor shall give all notices required by the said regulations or bye-laws to be given to any Authority and pay to such Authority or to any public office all fees that may be chargeable in respect of the works and lodge the receipts with the bill to the Engineer for reimbursement.

5. RATES TO INCLUDE ALL TAXES

(a) Rates quoted by the contractor shall include sales tax, duties, octroi, toll tax, royalties and all other taxes in respect of this contract and the Employer shall not entertain any claim whatsoever in this respect. Tendered rates are inclusive of all taxes and levies payable under the respective statutes. However pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 if any further tax or levy is imposed by Statutes, after the date of receipt of tenders and the contractor thereupon necessarily and properly pays such taxes/levies the contractor shall be reimbursed the amount as per the rules on producing proof of payment so made provided such payments, if any, is not in the opinion of the Employer (whose decision shall be final and binding) attributable to delay in executing of work within the control of the contractor.

(b) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and further shall furnish such other information and documents as the Employer may require.

(c) The contractor shall within a period of thirty days of imposition of any further tax or levy pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 give a written notice thereof to the Employer that the same is given pursuant to this condition together with all necessary information relating thereto.

6. MATERIALS

(a) If the specifications of schedule of items provide for the use of any material to be supplied by the Employer's stores or if it is required that the contractor shall use certain stores to be provided by the Employer as shown in the schedule of materials hereto annexed, the contractor shall be bound to procure and shall be supplied such materials and stores as are from time to time required to be used by him for the purpose of the contract only and value of the materials so supplied at the rates specified in the said schedule of materials and of the quantities incorporated in the work may be set off or deducted from any sums then due, or thereafter to become due to the contractor under the contract or otherwise or against or from the Security deposit. All materials so supplied to the contractor by the Employer shall remain the absolute property of the Employer and the contractor shall be the master of the materials so supplied/procured and the said materials shall not be removed/disposed off from the site of the work on any account and shall be at all times open for inspection by the Engineer or Employer. The

contractor shall bear all incidental charges for cartage, storage and safe custody of all materials and against damage due to dampness, rain, sun, fire and theft and be fully responsible for their storage and maintenance. Any such material unused and in perfectly good condition in the opinion of the Employer at the time of the completion of work or termination of the contract, or earlier shall be returned to the Employer at a place directed by the Engineer at contractor's cost and at rates stipulated in the said schedule but in case the Employer decides not to take back the materials the contractor shall have no claim for compensation on account of any such materials supplied to him as aforesaid being unused by him or for any wastage or damage to any such materials.

(b) If for any reason there is delay or non-supply of material as shown in the schedule, the contractor shall procure the same and complete the work in time after due intimation and approval of the Employer. The difference in price (between his procurement price and price shown in the schedule) shall be paid to the contractor. However in case approval of the Employer is not given, only suitable extension of time would be considered and no other claim of compensation/damages shall be payable by the Employer.

(c) After completion of the work or on determination/termination of the contract, the theoretical quantity of cement to be used in work shall be calculated on the basis of statement showing quantity of cement to be used in different items of work provided in current Schedule for the purpose printed by CPWD. In case any item is executed for which the standard constants for the consumption of cement are not available in the above mentioned statement or cannot be derived from this statement, the same shall be calculated on the basis of standard formula to be laid down by the Engineer. Over this theoretical quantity of cement, shall be allowed a variation upto 3% plus/minus for works estimated cost of which as put to tender is not more than Rs 10 lakhs and upto 2% plus/minus for works estimated cost of which as put to tender is more than Rs 10 lakhs. The difference in the quantity actually issued to the contractor and the theoretical quantity including authorised variation, if not returned by the contractor, shall be recovered at twice the issue rate, without prejudice to the provision of other conditions regarding return of materials governing the contract. In the event of its being discovered that the quantity of cement which is less than the quantity ascertained as herein before provided (allowing variation on minus side as stipulated above) the cost of quantity of cement not so used, shall be recovered from the contractor on the basis of stipulated issue rates and cartage to site.

(d) The provision of foregoing sub-clause shall apply Mutatis-Mutandis in the case of steel reinforcement or structural steel sections (each diameter/section or category shall be considered separately) except that the theoretical quantity of the steel shall be taken as the quantity required as per design or as authorised by the Engineer, including lappings, plus 3% wastage due to cutting into pieces. Over this theoretical quantity 2% plus/minus shall be allowed as variation due to wastage.

(e) The provision of foregoing sub-clause shall apply Mutatis-Mutandis in the case of cables (other than under-ground cables), wires, conduits/GI pipes, GI/MS sheets used in various items of work shall be calculated on the basis of measurements recorded in the measurement books for the purpose of payment and for assessing the consumption of materials used in the works. Over this quantity a variation of 5% plus shall be allowed for wastage of materials during execution in case of cables (other than under-ground cables), wires, conduits/GI pipes, and 10% plus in case of GI/MS sheets.

(f) The provisions made above are without prejudice to the right of the Employer to take action against the contractor under the conditions of the contract for not doing the work according to the prescribed specifications.

7. TESTING OF MATERIALS

The contractor shall provide assistance, instruments, materials, labour and any other arrangement normally required for testing, checking of materials and workmanship as stipulated in the specifications and by statutory authority at his own cost. The Employer has the right to appoint the testing authorities. The contractor shall pay for the cost of test samples, its packing, transportation including testing fees. Failing his so doing, the same shall be provided by the Engineer at the expense of the Contractor and the expenses may be deducted from any money due to the contractor under the contract and/or from the Security Deposit or proceeds thereof or of a sufficient portion thereof.

8. CONTRACTOR'S ENGINEERS / FOREMAN & WORKMEN

(a) The contractor shall give all necessary personal superintendence during the execution of the work and as long thereafter as the Engineer may consider necessary until the expiration of the Defects Liability Period. The contractor shall employ competent Site Engineer/Foreman as per CPWD norms and as approved by the Engineer whose qualification must conform to the requirement specified by the Engineer who shall be constantly in attendance of the work while the men are at work. Any directions, explanations, instructions or notices given by the Engineer to such Site Engineer or Foreman or any other authorised agent shall be held to be given to the contractor.

(b) The contractor shall on the request of the Engineer immediately dismiss from the works any person employed thereon who may in the opinion of the Engineer be unsuitable or incompetent or who may in the opinion of Employer misconduct himself

9. ACCESS

(a) The Engineer and the Employer or its representative shall at all reasonable time have free access to the works and/or workshops, factories or other places the materials are being prepared or constructed for the contract and also to any place where the materials are lying or from which they are being obtained and the contractor shall give every facility to them for inspection. Except the representatives of statutory authorities and those mentioned above no other person shall be allowed on the works at any time without the permission of the Engineer.

(b) If any work is to be done at a place other than the site of works, contractor shall obtain written permission of the Engineer

10. VARIATION & PRICE FOR VARIATION

(a) The Engineer with the approval of the Employer shall have power to make any alterations/omissions/additions and/or substitutions from the original specifications, drawings, designs and written instructions and such alterations, omissions, additions, substitutions shall not invalidate the contract and any altered, additional, or substituted work which the contractor may be directed to do in the manner specified above as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work. The rates for such altered, additional or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order.

(b) If the rates for the altered, additional, or substituted work are specified in the contract for the work, the contractor is bound to carry out the altered, additional, or substituted work at the same rates as are specified in the contract for the work

(c) If the rates for the altered, additional, or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for a similar class of work as are specified in the contract for the work

(d) If the rates for the altered, additional, or substituted work cannot be determined in the manner specified in sub-clause (b) and (c) above, then the contractor shall, within 10 working days from the date of receipt of the order to carry out the work through notice in writing, inform the Engineer of the rate which it is his intention to charge for such class of work, supported by analysis of the rate claimed which shall be based on actual cost of work plus 10% as contractor's profit and over-heads except in case of departmental materials for which contractors profit and over-heads shall be 2.5%. When such notice has been given the engineer with the consent of the Employer may agree to such a rate but if the Engineer does not agree to the contractors' rate the Engineer may cancel his order to carry out such class of work and arrange to carry out in such a manner as he may consider advisable

(e) Under no circumstances, the contractor shall suspend the work on the plea of non-settlement of rates of items falling under the clause

11. FAULTY MATERIALS, WORKMANSHIP & DEFECTS AFTER COMPLETION

(a) The Engineer shall have powers to require the removal from the site of all materials and work which in his opinion are not in accordance with specifications and in case of default, the Engineer shall be at liberty to employ other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials to be substituted thereof and in case of default the Engineer may cause the same to be supplied and all costs which may attend such removal and/or substitution are to be borne by the contractor

(b) If it shall appear to the Engineer or to the Chief Technical Examiner, that any work has been executed with unsound, imperfect, or unskillful workmanship or with material's of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, any defects, shrinkage or other faults which may appear within the defects liability period of six months from the date of completion arising in the opinion of the Engineer, the contractor shall on demand in writing which shall be made within six months of the completion of the work from the Engineer specifying the work, materials, articles defects or other faults complained of notwithstanding that the same may have been passed, certified and paid for, forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own cost. In case of any such failure, the Engineer may rectify or remove or re-execute the work or remove and replace with others, the material or articles complained of as the case may be at the risk and cost in all respects of the contractor

(c) In lieu of rectifying the work not done in accordance with the contract, the Employer may allow such work to remain, and in that case make allowance for the difference in value, together with such further reduction as in his opinion may be reasonable

(d) Provided always that nothing in this clause shall relieve the contractor from his liability to execute the works in all respects in accordance with the terms and conditions of this contract, or from his liability to make good defects.

12. WORKS TO BE OPEN FOR INSPECTION

(a) All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer and the contractor shall at all times during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer to visit the works shall have been given to the contractor, either himself be present to receive order and instruction or have a responsible agent duly accredited in writing present for that purpose.

(b) The contractor shall give not less than seven days notice in writing to the Engineer before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up and place beyond the reach of measurement, any work without the consent in writing of the Engineer and the Engineer shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurement without such notice having been given or the Engineer's consent obtained the same shall be uncovered at the contractors expense or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

13. ASSIGNMENT OR SUB-LETTING

(a) The contract shall not be assigned or sublet without the written approval of the Employer. And if the contractor shall assign or sub-let his contract or attempt to do so or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so or if any bribe, gratuity or gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor or any of his servants or agents to any person in the employment of the Employer in any way relating to his office or employment, or if any such employee or person shall become in any way directly or indirectly interested in the contract, the Employer shall have the power to adopt any of the courses specified under clause-23 as may be best suited to the interest of the Employer and in the event of any of the courses being adopted the consequences specified in the said clause shall ensure.

(b) Where the contractor is a partnership firm, the approval in writing of the Employer shall be obtained before any changes in the Constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concerns such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement hereunder the partnership firm would have the right to carry out the work hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned or sublet in contravention of clause 13(a) and the same action may be taken and the same consequences shall ensue as provided in the said clause 13(a).

14. INDEMNIFYING AGAINST DAMAGES TO PERSONS, PROPERTY & STATUTES

The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of work.

(a) The contractor shall be responsible for all injury to persons, animals or things and for all damage, whether such injury or damage arises from carelessness or accident in any way connected therewith. This clause shall be held to include inter alia any damage due to causes as aforesaid to work, building (whether immediately adjacent or otherwise) and to roads, streets, foot paths, bridges or ways as well as all damage caused to the buildings and works forming the subject of this contract by inclemency of weather. The contractor indemnifies the Employer and holds him harmless in respect of all expenses arising from such injury or damages as aforesaid and also in respect of any award of compensation or damage consequent upon such claim including legal costs.

(b) The contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contracted works complete and perfect in every respect and so as to make good and otherwise satisfy all claims for damage as aforesaid to the property of third parties.

(c) The Contractor also indemnifies the Employer against all claim which may be made upon the Employer for acts during the currency of this contract by any employee or representative of an employee of the contractor or any sub-contractors, employed by him, for any injury to or loss of life, of such employees, or for compensation payable under any law for the time being in force to any workmen or to the representative of any deceased or incapacitated workmen.

(d) The contractor also indemnifies the Employer against all claims which may be made upon the Employer for acts during the currency of this contract by the Central/State Government or local Municipal authorities for noncompliance of any laws, regulations, rules pertaining to wages act, safety act in force and any amendments thereof in respect of all labour and apprentices directly or indirectly employed in the work under this contract.

(e) The Employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensation costs, charges and/or expenses arising or accruing from or in respect of any such claim and/or damages as aforesaid from any sum or sums due or to become due to the contractor or security deposit.

(f) The contractor shall indemnify the Employer against any action, claim or proceedings relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against the Employer in respect of any such matters as aforesaid the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise there from. Provided that the contractor shall not be liable to indemnify the Employer if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the said Employer or his authorised representative.

15. LIEN IN RESPECT OF CLAIM IN OTHER CONTRACTS

(a) Any sum of money due and payable to the contractor including the security deposit under the contract may be withheld or retained by way of lien by the Employer or Government or any other contracting person or persons against any claim of the Employer or Government or such other persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Employer or Government or with such other persons.

(b) It is agreed term of the contract that the sum of money so withheld or retained under this clause by the Employer will be kept withheld or retained as such by the Employer or till his claim arising out of in the same contract or any other contract is either mutually settled or determined by the Arbitrator if the contract is governed by arbitration clause or by the competent court as the case may be, and that the contractor shall have no claim for interest or damages whatsoever on this account or any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

16. WITHHOLDING & LIEN IN RESPECT OF SUMS CLAIMED

(a) Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the Employer shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security deposit, if any deposited by the contractor and for the purpose aforesaid, the Employer shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security deposit being insufficient to cover the claimed amount or amounts or if no security deposit has been taken from the contractor, the Employer shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which at any time thereafter may become payable to the contractor under the same or any other contract with the Employer or any contracting person pending finalization or adjudication of any such claim. It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred above, by the Employer will be kept withheld or retained as such by the Employer till the claim arising out of or under the contract is determined by the Arbitrator (if the contract is governed by the arbitration clause) or by the competent court as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company the Employer shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum payable to any Partner/Limited company as the case may be, whether in his individual capacity or otherwise.

(b) The Employer shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been over paid in respect of any work done by the contractor under the contract or any work claimed by him to have been done by him under the contract and found not to have been executed the contractor shall be liable to refund the amount of over-payment and it shall be lawful for the Employer to recover the same from him in the manner prescribed in sub-clause (a) of this clause or in any other manner legally permissible and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under-payment shall be duly paid by the Employer to the contractor. Provided that the Employer shall not be entitled to recover in sum over paid and the contractor shall be entitled to payment of any sum paid short where such

payment has been agreed upon between the Employer on the one hand and the contractor on the other hand under any term of contract permitting payment for work after assessment by the Employer.

17. IN-CASE OF DEATH OF CONTRACTOR

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Employer shall have the option of terminating the contract without compensation to the contractor.

18. SUB-CONTRACTORS

The Employer reserves the right to use the premises and any portion of the Site for the execution of any work not included in the contract. The contractor is to afford all reasonable facilities to all sub-contractors, specialists, merchants, tradesman and others who may at any time be appointed by the Employer for executing any work or supplying any goods relating to the constructions, servicing, equipping or furnishing of the work under this contract.

19. 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 thereunder that may be in force or brought into force from time to time.

20. COMPENSATION FOR DELAY

(a) The time for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be deemed to be the essence of the contract on the part of the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence and the 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 amount of the whole work as shown in the agreement, for every week that the work remains un-commenced or unfinished after the proper dates.

(b) And further to ensure good progress during the execution of the work, the contractor shall be bound in all cases in which the time allowed for any work exceeds one month (save for special jobs) to complete one-eighth of the whole of the work before one-fourth of the whole time allowed under the contract has elapsed; three-eighths of the work before one-half of such time has elapsed, and three-fourths of the work before three-fourths of such time has elapsed. However for special jobs if a time schedule has been submitted by the contractor and the same has been accepted by the Employer, the contractor shall comply with the said time schedule. In the event of the contractor failing to comply with this condition, he shall be liable to 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 said cost of the work for every week that the due quantity of work remains incomplete. Provided that the entire compensation to be paid under the provisions of this clause shall not exceed ten per cent on the cost of the work as shown in the agreement.

21. DAMAGE TO WORKS IN CONSEQUENCE OF HOSTILITIES OR WAR-LIKE OPERATIONS

(a) The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to the Employer and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or war-like operations, the contractor shall, when ordered in writing by the Employer, remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking, removal of serviceable materials and for the reconstruction of all works ordered by the Employer such payment being in addition to compensation upto the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for the compensation shall be assessed by the Employer. The contractor shall be paid for the damage/destruction suffered and for restoring the material at the rates based on the analysis of rates rendered for in accordance with the provision of this agreement. The certificate of the Employer regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on the contractor.

(b) Provided always that no compensation shall be payable for any loss in consequence of hostilities or war-like operations (i) unless the contractor had taken all such precautions against Air Raid as are deemed necessary by the A. R. P. Officers or the Employer, (ii) for any materials etc., not on the site of the work or for any tools and plant, machinery, scaffolding, temporary buildings and other things not intended for the work.

(c) In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Employer

22. EXTENSION OF TIME

(a) If the contractor shall desire an extension of time for the completion of the work on the grounds of his having been unavoidably hindered in its execution or any other ground, he shall apply in writing to the Employer within thirty days of the date of hindrance on account of which he desires extension as aforesaid, and the Employer shall, if in his opinion (which shall be final) reasonable grounds shown therefore, authorize such extension of time if any, which may, in his opinion be necessary or proper

(b) In the event, the value of work exceeds the value of the Bill of Quantities owing to variations the contractor shall be entitled to ask for extension of time in proportion to the increased value of work

23. SUSPENSION OF WORK BY CONTRACTOR

(a) The Employer may without prejudice to his right against the Contractor in respect of any delay or inferior workmanship or otherwise or to any claims for damages in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise and whether the date for completion has or has not elapsed by notice absolutely determine the contract in any of the following cases:

(i) If the contractor having been given by the Engineer a notice to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or un-workman-like manner shall omit to comply with the requirements of such notice for a period of seven days thereafter or if the contractor shall delay or suspend the execution of the work so that in the judgment of the Employer (which shall be final and binding) he will be unable to ensure completion of the work by the date for completion or he has already failed to complete the work by that date

(ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court of creditor to appoint a receiver or a manager or which entitle the court to make a winding up order

(iii) If the contractor commits breach of any of the terms and conditions of this contract

(iv) If the contractor commits any acts mentioned in Clause-13 hereof

(b) When the contractor has made himself liable for action under any of the cases aforesaid, the Employer shall have the following powers:

(i) To determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of the Employer shall be conclusive evidence). Upon such determination or rescission the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of the Employer.

(ii) The Engineer may employ labour paid by the Employer and to supply materials to carry out the work or any part of the work debiting the contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by the Engineer shall be final and conclusive against the contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract. The certificate of the Engineer as to the value of the work done shall be final and conclusive against the contractor, provided always that action under the sub-clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the Employer are less than the amount payable to the contractor at his agreement rates, the difference should not be paid to the Contractor.

(iii) After giving notice to the contractor to measure up the work of the contractor and to take such part thereof as shall be unexecuted out of his hands and to give it to another contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor if the whole work had been executed by him (of the amount of which exceed the certificate in writing of the Engineer shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by the Employer under this contract or any other account whatsoever or from his security deposit

(iv) In the event any one or more of the above courses being adopted by the Employer the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified

24. SECURED ADVANCE

The contractor on signing an indenture in the form specified by the Employer during the progress of the execution of the work may be paid if agreed by the Employer upto 75 per cent of the estimated value which shall take into account the market value and contractors tendered rates for the finished item of any material which in the opinion of the Engineer is likely to be incorporated in the work within next three months, are nonperishable and are in accordance with the contract and which have been brought on the site in connection therewith and are adequately stored and protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works. When materials on account of which an advance has been made under this clause are incorporated in the work the amount of such advance shall be deducted from the next payment made under any of the clause or clauses of this contract.

25. CERTIFICATES & PAYMENTS

(a) No payments shall be made for a work estimated to cost Rupees ten thousand or less till the whole of the work shall have been completed and certificate of completion given. But in the case of a work estimated to cost more than Rupees ten thousand, the contractor shall, on submitting the bill be entitled to receive a monthly payment proportionate to the part of the work executed, and to the satisfaction of the Engineer, whose certificate of the sum so payable shall be final and conclusive against the contractor, provided the amount of work done is as per the value of intermediate certificate or for a lesser amount at the discretion of the Engineer as mentioned in the NIT. All such intermediate payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed and shall not preclude the requiring of bad, unsound, imperfect or unskilled work to be removed and taken away and reconstructed, or rectified or be considered as an admission of the due performance of the contract, of any part thereof in any respect or the accruing of any claim nor shall it conclude determine, or affect in any way the powers of the Employer under these conditions or any of them as to the final settlement and adjustment of the accounts or in any other way vary or affect the contract. The final bill shall be submitted by the contractor within two months of the date fixed for the completion of work or of the date of the certificate of completion furnished by the Employer and payment shall be made within three months if the value of the completed works is upto Rs. two lakhs and in six months if the same exceeds Rs. two lakhs of the submission of such bill. If there shall be any dispute about any item or items of the work then the undisputed item or items only shall be paid within the said period of three months or six months as the case may be.

(b) Whenever there is likely to be delay in recording detailed measurements for making a running payment, advance payment without detailed measurements for work done worked out at 75 per cent of the tendered rates for assessed quantities may be made in running account bills by the Employer on the basis of a certificate from the Engineer. The advance payments so allowed shall be adjusted in the subsequent running bills by taking detailed measurements thereof. Final payments shall be made only on the basis of detailed measurements.

(c) A bill shall be submitted by the contractor each month on or before the date fixed by the Engineer on printed forms obtainable from the Engineer's office. The Engineer shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as far as admissible, adjusted as far as possible, before the expiry of ten days from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid the Engineer may cause action within seven days of the date fixed as aforesaid, an authorised representative to measure up the said work in the presence of the contractor whose signature to the measurement will be sufficient warrant and the Engineer may prepare the bill from such measurements.

(d) Before taking any measurement of any work the Engineer or his authorised representative deputed by him shall give reasonable notice to the contractor. If the contractor fails to attend after such notice or fails to sign or to record the difference within a week from the date of measurement in the manner required by the Engineer then in any such event the measurements taken by the Engineer or by the authorised representative deputed by him as the case may be, shall be final and binding on the contractor and the contractor shall have no right to dispute the same.

(e) The charges in the bills shall always be entered at the rates specified in the agreement or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the agreement at the rate determined as per clause 10. However in case of partially executed items of work, the Employer at his discretion allows proportionate rate rates for such items of work as determined by the Engineer whose certificate of the sum so payable shall be final and conclusive against the contractor.

26. SECURITY DEPOSIT

(a) The contractor shall permit the Employer at the time of making any payment to him for the work done and measured to deduct sum at the rate of 10% of the gross value of work done in each running bill along with the Earnest Money if any, as already deposited by the contractor will amount to 10% of the estimated cost or Rs 5.0 lakhs whichever is less, unless full amount of security deposit in cash or in the form of fixed deposit receipts pledged in favour of the Employer has been deposited

(b) In case a fixed deposit receipt of any scheduled bank is furnished by the contractor to the Employer as pan of the security deposit and the bank goes into liquidation or for any reason is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Employer to make good the deficit of such sum from the running bill as mentioned above. Such deductions will be held by the Employer by way of security deposit, provided always that the Employer for this purpose shall be entitled to recover the said percentage of the amount from each running bill till the balance of the amount of security deposit is realized. All compensation or the other sums of money payable by the contractor under the terms of this contract may be deducted from the security deposit or from the interest arising there from or from any sums which may be due to or may become due to the contractor by the Employer on any account whatsoever and in the event of his security deposit being reduced by reason of any such deductions aforesaid, the contractor shall within ten days make good in cash or further fixed deposit receipt pledged in favour of the Employer. The security deposit shall be collected from the running bills of the contractor at the rates mentioned above and the earnest money if deposited at the time of tenders will be treated as part of the security deposit.

(c) The contractor if he so desires may furnish fixed deposit receipt in advance towards the security deposit. Such fixed deposit receipt shall be of a minimum value of Rs 25000/- each (The last such fixed deposit receipt could be of a lower value on the basis of the amount). In case any recovery is effected from running account bills, such recovered amount shall not be replaced with fixed deposit receipt. It is in the contractor's interest to keep a watch about the adequacy of the fixed deposit receipt submitted.

(d) No partial refund of security deposit shall be made during the defect liability period. In case the final bill is not settled within stipulated period for reasons beyond control and the Employer is satisfied that the security deposit is not required for adjustment of Employers dues or whatsoever dues either in this or any other contract then this security deposit either in full or in part could be refunded at the sole discretion of the Employer.

(e) In case of termination of contract, this security deposit shall be forfeited and amount necessary to make up this amount shall be recovered from money due to the contractor under this contract, or any other contract with the Employer.

27. COMPLETION CERTIFICATE

Within ten days of the completion of the work, the contractor shall give notice of such completion to the Employer and within ten days of the receipt of such notice the Engineer shall inspect the work. If there is no defect in the work the Employer shall furnish the contractor with a certificate of completion otherwise a certificate of completion indicating defects shall be issued but the work shall not be considered to be completed until the contractor shall have removed from the premises on which the work shall be executed all the scaffolding, surplus material, rubbish, and all huts and sanitary arrangements required for his work, people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor and cleaned of the dirt, splashes, droppings of finishing items from all wood work, doors, windows, walls, floors or other pans of any building, in, upon or about which the work is to be executed or of which he may have had possession for the purpose of the execution thereof. If the contractor shall fail to comply with requirements of this clause on or before the date fixed for the completion of the work, the Employer may at the risk and cost of the contractor take action as he may think fit and the contractor shall have no claim except for any sum actually realised by the sale thereof.

28. ESCALATION

(a) If the prices of materials not being supplied by the Employer and/or wages of labour required for execution of the work increase, the contractor shall be compensated for such increase as per provisions detailed below and the amount of the contractor shall accordingly be varied, subject to the condition that compensation for escalation in prices shall be available only for the work done during the stipulated period of the contract including such period for which the Contract is validly extended under the provisions of Clause-22 of General Conditions of Contract without levy of compensation under Clause-20 of General Conditions of Contract and also subject to the condition that no such compensation shall be payable for a work for which the stipulated period of completion is six months or less. Such compensation for escalation in the prices of materials and labour when due, shall be worked out based on the following provisions

(i) The base date for working out such escalation shall be the last date on which the tenders were stipulated to be received

(ii) The cost of work on which escalation will be payable shall be reckoned as the cost of the work as per the bills, running or final, and from this amount the value of material supplied by the Employer and proposed to be recovered in the particular bill shall be deducted before the amount of compensation for escalation is worked out. In case of materials brought to site for which secured advance is included in the bill full value of such materials as assessed by the Engineer in charge (and not the reduced amount for which secured advance has been paid), shall be included in the cost of work done for operation of this clause. Similarly when such materials are incorporated in the work, the secured advance is deducted from the bill the full assessed value of the materials originally considered for operation of this clause shall be deducted from the cost of work shown in the bill running or final. Further the cost of work shall not include any work for which payment is made for any item at prevailing market rates.

(iii) The compensation for escalation for materials & labour shall be worked out as per the formula given below:

$$VM = W \frac{A}{100} \times \frac{MI - MI_0}{MI_0}$$

VM—Variation in material cost i.e. increase or decrease in the amount in rupees to be paid or recovered
W—Cost of work done worked out as indicated in sub para (ii) above.

A—Component of materials expressed as per cent of the total value of work and is predetermined as 75.

MI—Index numbers of Wholesale prices in India for all commodities published by the Reserve Bank of India for the period under reckoning

MI₀—Index numbers of Wholesale prices in India for all commodities published by the Reserve Bank of India on the date of receipt of tenders.

$$VL = W \frac{B}{100} \times \frac{LI - LI_0}{LI_0}$$

VI—Variation in labour Cost i.e. increase or decrease in the amount in rupees to be paid or recovered
W—Value of work done, worked out as indicated in sub para (ii) above

B—Component of labour expressed as per cent of the total value of work and is predetermined as 25.

LI—All India consumer price index numbers for industrial workers published by the Reserve Bank of India for the period under reckoning as for the period under consideration

LI₀—All India consumer price index numbers for industrial workers published by the Reserve Bank of India and valid on the stipulated date of receipt of tenders

(b) The following principle shall be followed while working out indices mentioned in sub para (iii) above.

(i) The compensation for escalation shall be worked out at half yearly intervals and shall be with respect to the cost of work done during the six calendar months of the said work. The first such payment shall be made at the end of the six months after the month (excluding) in which the tender was accepted

and thereafter at six monthly intervals. At the time of completion of work, the last period for payment might become less than six months, depending on the actual date of completion.

(ii) The index (MI or LI) relevant to any six months for which such compensation is paid shall be the arithmetical average of the indices relevant to the six calendar months. If the period upto date of completion after the six months covered by the last such installment of payment, is less than six months, the index MI or LI shall be the average of the indices for the months falling within that period.

(iii) The base index (M₁₀ or L₁₀) shall be the one relating to the month in which the tender was stipulated to be received.

(c) In the event the price of materials and/or wages of labour required for execution of the work decreases there shall be downward adjustment of the cost of work so that the price of materials and/or wages of labour shall be deductible from the cost of work under this Contract and in this regard formula herein before stated under this clause shall mutatis mutandis apply, provided that no such adjustment for the decrease in the prices of materials and/or wages of labour aforementioned would be made in case of contracts in which the stipulated period of completion of the work is six months or less.

29. ARBITRATION

(a) Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality or workmanship or materials used on the work or as to any other question, claim, right matter or thing whatsoever in any way arising out of or relating to the contract, designs, specifications, estimates, instructions, orders on these conditions or otherwise concerning the works, or the execution of failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the person appointed by the Director General, Council of Scientific and Industrial Research, at the time of such dispute or if there be no Director General, Council of Scientific and Industrial Research, the Administrative Head of the Council of Scientific and Industrial Research at the time of such appointment. The arbitrator to whom the matter is originally referred being unwilling or unable to act for any reason, such Director General or Administrative Head as aforesaid at the time of such inability) or unwillingness to act shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of this contract that no person other than a person appointed by such Director General, Council of Scientific and Industrial Research or the Administrative Head of Council of Scientific and Industrial Research as aforesaid should act as arbitrator and if for any reason, that is not possible, the matter is not to be referred to arbitration at all. In all cases where the amount of dispute is rupees two lakhs and above, the arbitrator shall give speaking award.

(b) it is also a term of the contract that the party invoking arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

(c) It is also a term of the contract that if the contractor does not make any demand for arbitration in respect of any claim in writing within 90 days of receiving the intimation from the Employer that the final bill is ready for payment, the claim of the contractor will be deemed to have been waived and absolutely barred and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims.

(d) The Arbitrator may from time to time with consent of parties enlarge the time, for making and publishing the award.

(e) Subject as aforesaid the provisions of the Arbitration Act, 1940, or any statutory modification or re-enactment thereof and the rules made hereunder and for the time being in force shall apply to the arbitration reference under this clause.

*** SPECIAL CONDITIONS ***

These special conditions are meant to amplify the general specifications and general conditions of contract.

2. Work shall be done as per CPWD specification.

In case of any discrepancy the order of precedence in interpretation shall be as under.

- (i) Schedule of quantities.
- (ii) General Conditions of contract.
- (iii) Special Conditions Additional Conditions & Additional Specifications.
- (iv) Specialist's work, the specification of which are attached.
- (v) Additional Specifications for Electrical works - conduit laying, boxes etc.
- (vi) CPWD latest civil and Electrical works specifications.
- (vii) I.S Codes.
- (viii) International codes.
- (ix) Best Engineering practice.

3. STEEL

(i) Steel to be issued as stated elsewhere in the contract shall be for reinforcement bars for RCC work.

For all other items of steel work the contractor shall procure the same.

(ii) Reinforcement bars for RCC work will be issued in available coils and straight lengths. No claim for straightening the bars whatsoever shall be entertained.

(iii) Issue of steel of diameters above 10 mm dia will be regulated on sectional weight basis, weight being calculated with the help of the standard sectional weights as given in the CPWD latest specifications for conversion of length to weight. However, for bars upto and including 10 mm dia the following procedure shall be adopted. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variations between the actual and the standard co-efficient and the contractor's account will be debited by the cost of this modified quantity only.

(iv) For theoretical consumption of steel reinforcement bars will be balanced diameterwise for the purpose of penal recovery as envisaged in the contract.

4. CEMENT

Cement to be issued as stated elsewhere in the contract shall be only for site work. For factory made products such as Pre-cast tiles, hollow concrete blocks, RCC pipes etc. cement shall not be issued.

5. Unless otherwise provided in the schedule of quantities the rates tendered by the contractor shall apply for all heights, lifts, leads and depths of the work and nothing extra shall be payable on this account.

6. The surplus excavated earth which is beyond the requirement of the Employer's work may be allowed by the Employer to be disposed off by the contractor on his own or sell the surplus excavated earth to private parties at his discretion but nothing extra will be paid for the carriage or disposal of surplus earth if the same is not required on any other work of the Employer.

***** ADDITIONAL CONDITIONS *****

The structural and architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and drawings relating to the relevant item the former shall prevail unless and otherwise given in writing by the Engineer.

2. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods or any other natural cause whatsoever during the execution of work. The damage to work will be made good by the contractor at his own cost, and no claim on this account shall be entertained.

3. All materials used shall be as per specifications and ISI marked wherever applicable. ISI marking referred relate to latest BIS code as published by Bureau of Indian Standards upto 30 days before the date of opening the tender.

4. The contractor shall give a performance test of the entire installation(s) as per standard specifications and/or as directed by the Engineer and will also submit. Test certificates as are required by Municipal/Electrical authority or any other authority. Nothing extra shall be payable for the same other than the fees paid to such authorities which shall be reimbursed on production of receipts.

INDENTURE FOR SECURED ADVANCE

This indenture made the _____ day of 200... between _____ (hereinafter called the contractor which expression shall where the context so admits or implies be deemed to include his heirs, executors, administrators and permitted assignees) of the one part and Council of Scientific & Industrial Research, New Delhi, a Society registered under the Societies Registration Act 1860 (hereinafter called the Employer which expression shall include its successors and assignees and authorised officers of the Society) of the other part. WHEREAS by an agreement dated _____ (hereinafter called the said agreement) the contractor has agreed AND WHEREAS the contractor has applied to the Employer that he may be allowed advances on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges) AND WHEREAS the Employer has agreed to advance to the contractor the sum of Rs. _____ (Rupees _____) on the security of materials the quantities and other particulars of which are detailed in accounts of secured advances attached to the running account Bill for the said works signed by the contractor on _____ and the Employer has reserved to himself the option of making any further advance or advances on the security of other materials brought by the contractor to the site of the said works. Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rs. _____ on or before the execution of these presents paid to the contractor by the Employer (the receipt whereof the contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid the contractor doth hereby covenant and agree with the Employer and declare as follows:

- 1 That the said sum of Rs. _____ advanced by the Employer to the contractor as aforesaid and all or any further sum or sums advanced as aforesaid shall be employed by the contractor in or towards expediting the execution of the said works and for no other purpose whatsoever.
2. That the materials detailed in the said account of secured advance which have been offered to and accepted by the Employer as security are absolutely the contractor's own property and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor indemnifies the Employer against all claims to any materials in respect of which an advance has been made to him as aforesaid.
3. That the materials detailed in the said account of secured advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the contractor solely in the execution of the said works in accordance with the directions of the Engineer and in the term of the said agreement.
4. That the contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protections against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the contractor's custody and on his own responsibility and shall at all times be open to inspection by the Employer or any officer authorised by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the contractor will forthwith replace the same with other materials of like quality or repair and make good the Same as required by the Engineer.
5. That the said materials shall not on any account be removed from the site of the said works except with the written permission of the Employer or any officer authorised by him on that behalf.

6. That the advances shall be repayable in full when or before the contractor receives payments from the Employer of the price payable to him for the said works under the terms and provisions of the said agreement. However if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Employer will be at liberty to make a recovery from the contractor's bill for such payment by deducting there from the value of the said materials then actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.

7. That if the contractor shall at any time make any default in the performance or observance in any respect of any of the terms of provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Employer shall immediately on the happening of such default be repayable by the contractor to the Employer together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs charges, damages and expenses incurred by the Employer in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the contractor and the contractor hereby covenants and agrees with the Employer to repay and pay the same respectively to him accordingly.

8. That the contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rs. _____ and any further sum or sums advanced as aforesaid and all costs charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whenever the covenant for payment and repayment herein before contained shall become enforceable and the money owing shall not be paid in accordance therewith the Employer may at any time thereafter adopt all or any of the following courses as he may deem best:

(a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the contractor in accordance with the provisions in that behalf contained in the said agreement debiting the contractor with the actual cost of effecting such completion and amount due in respect of advances under these presents and crediting the contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the contractor he is to pay same to the Employer on demand.

(b) Removed and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the Employer under these presents and pay over the surplus (if any) to the contractor.

(c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the contractor under the said agreement.

9. That except in the event of such default on the part of the contractor as aforesaid interest on the said advance shall not be payable.

In witness whereof the said _____ and _____ by the order and under the direction of the Employer have hereunto set their respective hands the day and year first above written.

Signed sealed and delivered

by the said contractor: _____

In the presence of

Signature: _____

Name: _____

Address: _____

Signed by the order and direction of the Employer:

In the presence of

Signature: _____

Name: _____

Address: _____

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PERFORMANCE GUARANTEE

To

Council of Scientific & Industrial Research

In consideration of Council of Scientific & Industrial Research (hereinafter) called "The Council" having awarded to _____ a Company registered under the Companies Act 1956 (hereinafter) called the Contractor, a contract for (hereinafter) called the said contract under the terms and conditions of an Agreement dated _____ made between the Council and the Contractor hereinafter called the said agreement and Council agreed to accept a Deed of Guarantee as herein provided for Rs _____ (Rupees _____ only) from a Scheduled Bank towards due performance of the contract by the Contractor as per the terms and conditions of the contract on the condition that the Bank on demand from the Council and without demur pay to the Council the aforesaid amount.

2. We, _____ Bank Ltd., (hereinafter) referred to as the 'bank' do hereby undertake to pay to the Council and amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the Council by reasons of any breach or breaches of any of the terms of conditions of the said agreement by the said contractor.

3. We, _____ Bank Ltd do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the Council by stating the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Council for reasons of any breach by the said contractor(s) of any of the terms & conditions contained in the said Agreement or by reason of the contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____

4. This guarantee shall come into force immediately and continue in force and remain valid till six months after the completion of all works under the said contract which according to the terms of the said contract, should be six months from the probable date of completion viz., the day of _____. If, however, the period of the completion of the works under the said contract is for any reason extended and upon such extension if the Contractor fails, before the terms of this guarantee expires, to furnish a fresh or renewed guarantee for the extended period, the Bank shall pay to Council the said sum of Rs. _____ or such lesser sum as Council may demand.

5. This guarantee shall not be affected by any change in the constitution of the Bank or of the Contractor.

6. Notwithstanding anything hereinbefore contained, the liability of the Bank under this guarantee is restricted to Rs. _____ (Rupees _____ only) and the guarantee shall remain in force till _____ day of 200 _____ unless claim or demand under this guarantee is presented to the Bank within six months from that date all the rights of Council under this guarantee shall be forfeited and the Bank shall be released and discharged from all obligations hereunder.

Sr.No.	Para	Modify
1.	17(a)	Amend 'Six' to Twelve.
2.	1(b)	Add a new sub-para after 'work' as below: - "Employer : shall mean Director-General CSIR or any officer authorized by Director-General for the purpose."
3.	After para 3	Add a new para 3: - "SUFFICIENCY OF TENDER The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of the tender for the works and the rates and the prices quoted in the schedule of items which rates and the prices shall except as otherwise provided, cover all his obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works."
4.	6	Add sub-para (g) as "In case of availability of cement and steel with CSIO the same will be issued by the CSIO."
5.	8(a)	Add "Annexure III refers."
6.	10	Add sub-para 10(f) as "Deviation limits" 30% Maintenance/emergency works 50% Foundation works 100% Services works 30%
7.	11(b)	Modify to read as "if it shall appear to the Engineer firstline or to the Employer based on audit/technical examination that any work has been executed."
8.	19	Add "If applicable, contractor shall obtain a valid licence under contractor labour(R &A) Rules 1971, before commencing work and which should be valid till the completion."
9.	26(a)	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 tendered value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the work in the form of Bank Guarantee or Govt. Security or FDR pledged in the name of Employer valid for the period of 12 months from the date of completion as per award letter/agreement.
10.	26(d)	Add "However, if applicable, release of security deposit would be only after written clearance of Labour Officer regarding no dues or claims is received."
11.	28	Add sub-para (d) as "Employer shall have the discretion to permit the IEEMA (Indian electrical & Electronics Manufacturers Association) Clause for escalation in case of specialized works e.g. lifts and electrical and mechanical installations etc. where the price variation is not similar to building works."

12. 28(a) Amend 'Six' to 'Eighteen.'

13. 29 Modify as below: -
ARBITRATION

(a) Except where otherwise provided in the contract, all questions and disputes relating to the interpretation of the specifications, designs, drawings and instructions herein before mentioned and as to the quality or workmanship or materials used on the work or as to any other question claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, specifications, estimates, instructions, orders on these conditions or otherwise concerning the works or the execution or failure to execute the same, whether arising during the progress of work or after the completion or abandonment thereof, shall be referred to the sole arbitration of the person appointed by the Director-General, Council of Scientific & Industrial Research. The arbitrator shall be appointed within 30 days from the receipt of a request any party. The arbitrator to whom the matter is originally referred, being unwilling or unable to act for any reason, the Director-General shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. The arbitrator shall be final and binding on the parties. The cost of the Arbitrator shall be borne equally by both the parties.

(b) It is also a term of the contract that the party invoking arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

(c) It is also a term of the contract that if the contractor does not make any demand for arbitration in respect of any claim in writing within 90 days of receiving the intimation from the Employer that the final bill is ready for payment, the claim of the contractor will be deemed to have been waived and absolutely barred and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims.

(d) Subject as aforesaid the provisions of the Arbitration and conciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration reference under this clause.

14. Add para 0 to as under: "DISMANTLED MATERIAL :

The contractor shall treat all material obtained during dismantling of a structure, service, sub systems/installations, excavation of the site for a work etc., as employer's property and such material shall be disposed of to the best advantage of the employer according to the instructions issued in writing by the Engineer.

15. Add para 31 as : PERFORMANCE GUARANTEE

"Performance Guarantee may be taken from the contractor before the award of work, by the officer authorized to award the contract, if and where considered necessary, to ensure that a part or whole of the contract is completed by the contractor. In case of non-performance, this guarantee could be encashed.

16. 2 Modify as "In case of any discrepancy, the order of precedence in interpretation shall be as under:

- (i) Schedule of quantities
- (ii) Drawings

- (iii) Additional conditions
- (iv) General conditions of contract
- (v) Special conditions
- (vi) Additional Technical Specifications
- (vii) CPWD latest civil and electrical specifications
- (viii) IS Codes
- (ix) International codes
- (x) Best Engineering Practice

17.

Add Annexure III as below: -

Contractor's site superintendence

Staff to be employed by contractor on works: -

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

(a) For building and road works

- (i) One graduate Engineer, when the tendered cost of work exceed Rs.10 lakhs.
- (ii) One qualified Diploma holder (overseer4) with experience not less than three years when the tendered cost of work exceeds Rs.5 lakhs but is less than Rs.5 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 three 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 tendered cost of 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.75,000/-.
- (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/-.

(d) 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/-

(44)

ADDITIONAL CONDITIONS FOR STEEL & CEMENT

CONDITONS FOR STEEL

1. The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from reputed manufacturers as approved by the Engineer-in-Charge. The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supply of steel brought by him to the site of work. Samples may also be taken and got treated 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 conform 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 Engineer-in-charge to do so.
2. The steel reinforcement shall be brought to the site in bulk supply of 10 tones 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 sizes and lengths shall be stored separately to facilitate easy counting and checking.
4. To 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 10 mm dia	One sample for each 25 tone or part thereof.	One sample for each 40 tone or part thereof.
10 mm to 16 mm dia	One sample for each 35 tones or part thereof.	One sample for each 45 tones or part thereof.
Over 16 mm dia	One sample for each 45 tone or part thereof.	One sample for each 50 tone 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 approved in Clause 6 of the contract. The theoretical consumption of steel shall be worked out as per procedure in Clause 7 of the contract and shall be governed by the 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.

CONDITONS 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 manufacturers of cement, having a production-capacity of one million tones per annum or more, as such ACC, L&T, JP Rewa, Vikram, Shri Cement, Birla Jute and Cement Corporation of India etc., as approved by Ministry of Industry, Govt. 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 manufacturer'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 the 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 shall 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 site without written permission of the Engineer-in Charge.

AMENDMENT-CONDITIONS OF CONTRACTS FOR WORKS

S. No	Page	Condition of Contract for works in CSIR	Ammended Provision
1.	Page 2 para 17 (c)	Security deposit shall be deducted from the running bills at 10 % of the gross value of work done and measured inclusive of Earnest Money subject to a maximum of Rs. 5.00 Lakhs (Rupees Five Lakhs Only)	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 tendered 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 him.
2.	Page 15 para 26 (a)	Security deposit: The contractor shall permit the Employer at the time of making any payment to him for the work done and measured to deduct sum at the rate of 10 % of the gross value of work done in each running bill along with the earnest money if any, as already deposited by the contractor will amount to 10 % of the estimated cost or Rs. 5.0 Lakhs whichever is less, unless full amount of security deposit in cash or in the form of fixed deposit receipts pledged in favour of the Employer has been deposited.	As per 1 above.
3.	Page 16 para 28 (a)	Escalation : If the prices of materials not being supplied by the Employer and/or wages of labour required for	Escalation : If the prices of materials not being supplied by the Employer and/or wages of labour required for execution

(a)		by the Employer and/or wages of labour required for execution of the work increase, the contractor shall be compensated for such increase as per provision detailed below and the amount of the contractor shall accordingly be varied, subject to the condition that compensation for escalation in prices shall be available only for the work done during the stipulated period of the contract including such period for which the contract is validly extended under the provision of clause 22 of General Conditions of Contract without levy of compensation under Clause 20 of General Condition of Contract and also subject to the condition that no such compensation shall be payable for a work for which the stipulated period of completion is Six months or less Such compensation for escalation in the prices of materials and labour when due, shall be worked out based on the provision.	by the Employer and/or wages of labour required for execution of the work increase, the contractor shall be compensated for such increase as per provision detailed below and the amount of the contractor shall accordingly be varied, subject to the condition that compensation for escalation in prices shall be available only for the work done during the stipulated period of the contract including such period for which the contract is validly extended under the provision of clause 22 of General Condition of Contract without levy of compensation under Clause 20 of General Condition of Contract and also subject to the condition that no such compensation shall be payable for a work for which the stipulated period of completion is eighteen months or less. Such compensation for escalation in the prices of materials and labour when due, shall be worked out based on the provision.
4.	Page 3 New Para 20	Not existing	Purchase preference will be given to Central Public Sector Enterprises (CPSE) for award of works costing between Rs. 5 Crores to Rs. 100 Crores as per provision contained in para 20.10.9 in CPWD Manual 2003 and OM No. DPE/13(12)/2003-Fin Vol.II dated 18.07.05 issued by department of Public Sector Enterprises, Govt. of India.

Subject: - Implementation of modified provision in Service Tax - Clause No.5 of GCC.

The existing provision of GCC in CSIR and modified provision after incorporating service tax on the basis of modification of CPWD is given below in the tabular form:-

S.No	Existing Provision- Clause No.5 of GCC	Modified Provision
1	<p><u>Rates to include all Taxes</u></p> <p>(a) Rates quoted by the contractor shall include sales tax, duties, octroi, toll tax, royalties and all other taxes in respect of this contract and the Employer shall not entertain any claim whatsoever in this respect. Tendered rates are inclusive of all taxes and levies payable under the respective statutes. However pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 if any further tax or levy is imposed by Statutes, after the date of receipt of tenders and the contractor thereupon necessarily and properly pays such taxes/levies the contractor shall be reimbursed the amount as per the rules on producing proof of payment so made provided such payments, if any, is not in the opinion of the Employer (whose decision shall be final and binding) attributable to delay in executing of work within the control of the contractor.</p> <p>(b) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and further shall furnish such other information and documents as the Employer may require.</p> <p>(c) The contractor shall within a period of thirty days of imposition of any further tax or levy pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 give a written notice thereof to the Employer that the same is given pursuant to this condition together with all necessary information relating thereto.</p>	<p><u>Rates to include all Taxes</u></p> <p>(a) Rates quoted by the contractor shall include sales tax / VAT (except service tax), purchase tax, turnover tax, duties, octroi, toll tax, royalties and all other taxes in respect of this contract. The Employer shall not entertain any claim whatsoever in this respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Department after satisfying that it has been actually and genuinely paid by the contractor. The applicable and eligible service tax shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order. Tendered rates are inclusive of all taxes and levies payable under the respective statutes. However pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 if any further tax or levy is imposed by Statutes, after the date of receipt of tenders and the contractor thereupon necessarily and properly pays such taxes/levies the contractor shall be reimbursed the amount as per the rules on producing proof of payment so made provided such payments, if any, is not in the opinion of the Employer (whose decision shall be final and binding) attributable to delay in executing of work within the control of the contractor.</p> <p>(b) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and further shall furnish such other information and documents as the Employer may require.</p> <p>(c) The contractor shall within a period of thirty days of imposition of any further tax or levy pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 give a written notice thereof to the Employer that the same is given pursuant to this condition together with all necessary information relating thereto.</p>