



SEMI-CONDUCTOR LABORATORY

(Department of Space, Govt. of India)
Sector 72, SAS Nagar 160071 Pb. (India) Ph: 91-172-2237401-10

NOTICE INVITING TENDER

SUB: MINOR CIVIL AND REPAIR & MAINTENANCE WORK AT SCL, S.A.S. NAGAR

1. SEMI-CONDUCTOR LABORATORY (SCL), under the Department of Space, Govt. of India, invites item rate tenders for the work of Minor Civil and Repair & Maintenance Work at SCL, S.A.S. Nagar.
2. Estimated cost of work = Rs. 7.60 lakh.
3. Notice Inviting Tenders (NIT), General Terms & Conditions and Bill of Quantities (BOQ) attached herewith constitute the Tender Document. Interested contractors may download the tender document or obtain the same from the office of the undersigned on payment of Rs.500/- in the form of Demand Draft favouring Semi-Conductor Laboratory payable at SAS Nagar/Chandigarh. Contractors downloading the tender document from SCL's Website should enclose Demand Draft for Rs.500/- in favour of Semi-Conductor Laboratory payable at SAS Nagar/Chandigarh alongwith their bid towards Tender cost.
4. Sealed tenders shall be received upto 1500 hrs (3:00 PM) on 16.5.2008 in the office of Head (CMD), SCL, S.A.S. Nagar and shall be opened at 15 30 hrs (3:30 PM) on the same day i.e. 16.5.2008 in the presence of bidders who wish to be present.

HEAD (CMD)
SEMI-CONDUCTOR LABORATORY
SECTOR – 72, SAS NAGAR
PHONE: (0172)- 2236104, 2237401-10

INDEX

**NAME OF WORK: MINOR CIVIL AND REPAIR & MAINTENANCE WORK AT
SCL, S.A.S. NAGAR**

SECTION	DESCRIPTION	PAGE NO.
PART-A	NOTICE INVITING TENDER	3-5
PART-B	GENERAL TERMS AND CONDITIONS	6-12
PART-C	BILL OF QUANTITIES (BOQ)	13-21

**SEMI-CONDUCTOR LABORATORY
S.A.S. NAGAR**

NOTICE INVITING TENDER (NIT)

FOR

MINOR CIVIL AND REPAIR & MAINTENANCE WORK AT SCL, S.A.S. NAGAR

- 1.0 Sealed item rate tenders are invited from reputed and experienced contractors of appropriate class with CPWD, State PWD, Railway, MES, Government Departments/Public Sector Undertakings for the work of Minor Civil and Repair & Maintenance Work at SCL, S.A.S. Nagar

- 2.0 Last date for submission of the bids is 16.5.2008 upto 1500 hrs (3:00 PM) which shall be opened on the same day at 1530 hrs. (3:30 PM) at SCL, S.A.S. Nagar (Mohali) in presence of representatives of the contractors who wish to be present. The bids shall be submitted and opened at the following address:

Head (CMD)
SEMI-CONDUCTOR LABORATORY,
Sector 72, S.A.S. Nagar-160 071
(Near Chandigarh)
Fax (0172)-2236885, 2236378
Phone: (0172)-2237401-10

- 3.0 Contractors who fulfil the following criteria shall be considered by SCL for pre-evaluation/technical evaluation.
 - i) Should be registered with any one of the agencies/departments as mentioned at clause 1.0 above.
 - ii) Contractors/firms should have successfully completed during last 7 years ending last day of the month previous to the one in which the bids are invited, either three similar works costing not less than Rs. 3.05 lakh each or two similar works costing not less than Rs. 3.80 lakh each or one similar work costing not less than Rs.6.10 lakh. Similar works in this case will mean civil construction works.
 - iii) Average annual financial turnover during the last 3 (three) years ending 31st March of previous year should be at least Rs.2.30 lakh.

- 3.1 a) The following procedure shall be adopted for submission of tenders by the bidders. The envelopes shall be separately sealed and are to be submitted as follows:

Envelope I: To be superscribed “Earnest Money” and to contain Earnest Money in the form of Demand Draft/Term Deposit Receipt (TDR) as required in Clause 1 of the General Terms & Conditions hereunder (Part – B).

Envelope II: To be superscribed “TECHNICAL CONDITIONS OF BID AND UNPRICED COMMERCIAL BID” and to contain deviations, if any, from the conditions given in the Tender Document. Unpriced schedule of items, proposal sheets/forms to be put in this envelope. Contractors shall also enclose the following documents in this envelope which will be considered for prequalification.

- i) Registration Certificate.
- ii) Details of the contracts executed during last 7 (seven) years with complete name and address of the clients, scope of work, value of the work executed, date of commencement, date of completion, completion certificates from client(s).
- iii) Audited balance sheets for the last three years.

Bidders are to ensure that no price whatsoever is put anywhere in envelope II.

Envelope III: To be superscribed “Priced Commercial Bid” and to contain price figures duly filled in and signed.

b) Procedure for opening of the Bid:

- Envelope No. I will be opened first on the due date of opening i.e.16.05.2008 at 1530 hrs (3:30 pm) and EMDs shall be checked. Bids not accompanied with EMD as per clause 1.0 (General Terms & Conditions) shall be rejected. Envelope II of the bidders fulfilling the EMD condition shall thereafter be opened and Envelope No. III will be kept for opening at a later date after technical evaluation of the bids.
- The pre-evaluation/ technical evaluation of the bidders shall be done by the SCL. Technical evaluation of the only those bidders shall be carried out who meet the stipulated pre-evaluation criteria mentioned at Clause 3 above. Based on the technical evaluation report, clarification meeting, if required, will be held with bidders to bring them at par techno-commercially. Bids not meeting the technical specifications will be rejected. Envelope No. III (priced commercial bid) of such bidders shall not be opened.
- At the end of discussions, if required, bidders will be given an opportunity to submit another sealed cover envelope no. IV, superscribed ‘Revised Commercial Bid,’ which will supersede the Envelope III. After receipt of this envelope-IV, Envelope No. III or IV whichever is the latest of approved /qualified tenderer will be opened on a date convenient to SCL for evaluation.

4.0 SCL reserves the right to accept or reject any bid without assigning any reason thereof.

- 5.0 Bids shall remain firm and valid for acceptance for a period of 90 days from the date of submission.
- 6.0 SCL does not bind itself to accept the lowest bid and it reserves the right to accept or reject any or all the bids either in whole or in part without assigning any reason (s) thereof.
- 7.0 The rates quoted by the contractors shall be all inclusive covering material, labour, taxes, VAT, statutory levies, octroi etc. Works Contracts tax, as applicable, shall be borne by the Contractor.
- 8.0 The rates in figures and words shall be quoted in the enclosed Bill of quantities and duly signed by the contractor.
- 9.0 All erasures and alterations made while filling the tender must be attested by the initials of the bidders. Over-writing of figures is not permitted. Failure to comply with either of these will render the tender void. No request for any change in terms and conditions after the opening of tenders will be entertained.
- 10.0 Time of completion for the work is 18 (EIGHTEEN) months to be reckoned from the 7th day of issue of Work Order by SCL. The contract period may be further extended for a further period of SIX months as mutually agreed.
- 10.1 Contractors may visit the site to fully acquaint themselves with site conditions before submitting the bid.
- 11.0 Successful contractor will be required to enter into a contract agreement on a non-judicial stamp paper of appropriate value with SCL in the prescribed proforma for execution of the aforementioned work.

(Contractor)

**SEMI-CONDUCTOR LABORATORY
S.A.S. NAGAR**

**WORK: MINOR CIVIL AND REPAIR & MAINTENANCE WORK AT SCL,
S.A.S. NAGAR**

GENERAL TERMS AND CONDITIONS

1.0 EARNEST MONEY DEPOSIT:

The Earnest Money Deposit (EMD) is Rs. 15200/- (Rupees Fifteen thousand two hundred only). The bidder shall pay this sum in the form of a Demand Draft/Term Deposit Receipt (pledged to SCL) issued by a scheduled bank in favour of Semi-Conductor Laboratory, payable at S.A.S. Nagar/Chandigarh. The EMD of unsuccessful bidders will be returned to them without any interest. EMD of the successful bidder shall be adjusted towards the retention money in Running Account Bills.

2.0 TECHNICAL SPECIFICATIONS :

The work shall be carried out strictly in accordance with the description of items given in the Bill of Quantities following the latest CPWD specifications, I.S. Codes and Standards in the best workman like manner as per the instructions of engineer-in-charge. The engineer-in-charge (SCL's representative (s) responsible for the work) shall be entitled to have tests carried as specified in the contract for any material supplied by the contractor at the cost of the contractor and the Contractor shall provide at his expense all the facilities which the Engineer-in-charge may require for the purpose.

3.0 TERMS OF PAYMENT:

- i) The running account bills shall be based on measurements of the actual work executed, jointly taken by the contractor and SCL representative and duly checked and certified by the engineer-in-charge.
- ii) 5% of the value of the work executed shall be deducted from the interim bills as retention money and the same will be released along with the final bill.
- iii) Payment against interim bills (Running Account Bills) as well as the final bill shall be made upon compliance of statutory requirements like ESI and PF by the contractor in respect of his workmen and employees deployed at SCL site.
- iv) Final bill complete in all respects including material reconciliation statement, test certificates (wherever applicable) etc. shall be paid within sixty (60) days of satisfactory completion/taking over of the work duly certified by the engineer-in-charge. Contractor shall make no further claims after submission of the final bill. Claims put up by the Contractor after final bill shall be deemed to have been waived and extinguished and shall not be considered by SCL.

4.0 PERFORMANCE BANK GUARANTEE

The Contractor shall provide Performance Bank Guarantee for the due and faithful performance of contract for a sum of 5% of the contract price within 30 (thirty) days of issue of Work Order by SCL. The said guarantee shall be in form of Bank Guarantee from any scheduled bank on the format already agreed upon and shall be valid until expiry of the defect liability period of 12 months.

5.0 COMPLIANCE OF ESI/PF ACTS:

Contractor shall ensure that all his workmen, employees are covered by Employees State Insurance (ESI) scheme and EPF Act and shall deposit the dues with the appropriate authorities and shall maintain all required records in such form and manner as required under the relevant act and rules. **The Contractor shall have ESI/PF Code/Account number and deposit the ESI/PF dues in their ESI/PF account number only.** The contractor shall produce records to SCL and to the appropriate Govt.. authorities for inspection/verification as and when required. The contractor shall also indemnify SCL against any action brought on SCL as a consequence of the contractor's non-compliance to these and other labour laws as applicable for the Contract.

6.0 CONTRACT DURATION

The duration of the contract will be for a period of 18 (Eighteen) months from the date of issue of Work Order by SCL. The contract period may be further extend for a further period of SIX months as mutually agreed. The prices under this contract shall remain firm for the entire contract duration including the extended period, if any. No escalation will be allowed under the contract.

7.0 DEFECT LIABILITIES PERIOD

The Contractor shall be responsible to make good and remedy at his own expense any defect which may develop or may be noticed in the works executed under the contract within Twelve (12) months from the completion of contract duration including the extended period of the contract, if any.

8.0 MATERIAL

All materials used in the work shall conform to the specifications in the BOQ/IS Codes/C.P.W.D. specifications and approved by the Engineer-Incharge. Contractor shall submit test certificates as and when required in respect of material procured by him for incorporation in the work.

9.0 ELECTRICITY AND WATER

Construction water and power shall be provided by SCL at one point only. Any further distribution will be the responsibility of Contractor. All temporary wiring and

laying of pipes from the supply point for electricity and water respectively will be the responsibility of Contractor. Electricity charges shall be on metered basis (meter to be arranged by the contractor) and charges shall be as per the prevailing rates of Punjab State Electricity Board (PSEB). Recovery rate for water will be @ 0.5% of the value of work done.

10.0 ARRANGEMENT AND SAFETY OF LABOURS

- a) Contractor shall make his own necessary arrangement for labour hutment, staff quarters in respect of his workers to be deployed on the work.
- b) The Contractor shall be fully responsible for the **safety of all the labourers** directly or indirectly employed for the performance of this contract and shall, at his own expense, provide all the facilities in connection therewith. Contractor shall also be solely responsible for payment of compensation on account of any injury/accident of his labour/workmen or any other employee during performance of the contract.
- c) The contractor shall not sublet, transfer or assign the contract or any part thereof.

11.0 VARIATION

Contractor shall carry out the work upto any variation in the total value of the contract at the same rate, terms and conditions. The quantities of various items mentioned in the schedule of items may vary to any extent or deleted altogether as decided by SCL. The rates for various items shall remain the same irrespective of the extent of variation in the quantities of individual items.

12.0 ESCALATION

The rates quoted by the contractor shall remain firm and will not be subject to any escalation for the contract duration as well as during the extended period, if any.

13.0 SITE CLEARANCE

Contractor shall clear all waste material/garbage and left out material from the site after completion of work. No extra payment on account of this shall be made to the contractor by SCL. The contractor shall treat all materials obtained during the work at site as SCL property and such materials shall be handed over to SCL.

14.0 TAXES & DUTIES

The rates quoted against various items in the BOQ shall be inclusive of all duties and taxes, government levies including sales tax, octroi, royalties, freight, excise duty, VAT etc. **Works Contract Tax**, as applicable, shall be borne by the contractor. No extra payment shall be made by SCL on account of taxes & duties or any other govt. levy in the event of any increase in the same during the currency of the contract. The contractor shall also indemnify SCL against levy of any such taxes etc. In the event of

SCL being assessed for any of the said taxes, levies etc, SCL shall have the right to recover the total amount so assessed from the Contractor's dues and Contractor shall also be responsible for all costs and expenses that may be incurred by SCL in connection with any proceedings or litigation in respect of the same.

15.0 INCOME TAX

Income Tax, as applicable, as per government norms on the gross amount billed or as may be permitted/required under Income Tax Act, shall be deducted from contractor's bills before release of payment by SCL.

16.0 COMMENCEMENT OF WORK

The contractor shall commence the work within 7 (Seven) days of the issue of Work Order by SCL. Failure to commence the work within this period shall result in cancellation of the work order and forfeiture of the EMD. A detailed agreement on a non-judicial stamp paper of appropriate value shall be entered into between SCL and the Contractor within 7 (Seven) days of issue of the work order.

17.0 TIME SCHEDULE, LIQUIDATED DAMAGES

Time being the essence for completion of the work to be got executed under the contract, the contractor must ensure that the works entrusted to him by SCL carried out within the stipulated period. Delay in execution of the works for reasons other than force majeure, shall attract liquidated Damages which shall be deducted from the contractor @ 0.5% of contract price for each week of delay or part thereof subject to a maximum of 5% (five percent) of the contract price.

18.0 ADDITIONAL/ALTERED OR SUBSTITUTED ITEMS

If at any time after the commencement of the work, the Engineer-in-Charge, for any reason whatsoever wants any item(s) not mentioned in the BOQ to be executed by the contractor, the rate for such items shall be worked out as under:-

- i) The rates for the additional, altered or substituted work not specifically provided in the contract for the work, will be derived from the rates of a similar class of work as are specified in the contract for the work.
- ii) If the altered, additional or substituted work includes any work for which no rate is specified in the contract for the work and which cannot be derived from similar class of work in the contract, then such work shall be carried out at the rates entered in DSR-2007 plus or minus the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender.
- iii) If the rates for the altered, additional or substituted work cannot be determined in the manner specified in sub clauses (i) & (ii) above, then the rates for such

work shall be worked out on the basis of DSR-2007 plus or minus the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender, provided always that if the rate for a particular part or part of the item is not in the schedule rates, the rate for such part or parts will be determined by the Engineer-in-Charge on the basis of the prevailing market rates when the work was done.

- iv) If the rates for the altered, additional or substituted work cannot be determined in the manner specified in sub clauses (i) to (iii) above, then the Contractor shall within 15 days of the date of receipt of order to carry out the work inform Engineer-in-Charge of the rate at which he proposes to claim for the item of work, supported by analysis of rate or rates claimed, and the Engineer-in-Charge shall determine the rate or rates on the basis of prevailing market rates and pay the Contractor accordingly. However, the Engineer-in-Charge by notice in writing will be at full liberty to cancel his order to carry out the work and arrange to carry it out in such manner, as he may consider fit and advisable. But under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates of items falling under the clause.

19.0 INSURANCE

Contractor shall arrange at his cost 'All Risk Insurance Policy' for the work which shall remain valid till successful completion of the entire contract.

20.0 ISSUE OF MATERIALS AND RECOVERY THEREOF:

The following materials shall be issued by SCL to the contractor for incorporation in the work. Contractor shall arrange transportation of these materials from SCL stores located within SCL complex to the work site at his own cost.

S. No	Description of Material	Issue Rate
1.	Cement in 50kg bag	Rs.237/-per bag
2.	Tor steel of all length and sizes	Rs.38000/- per MT
3.	MS structural steel comprising of angles, channels, girders, plates, flats etc. of all sizes and lengths.	Rs.45000/- per MT
4.	Paints (enamel/synthetic), water proofing paint, lime for white washing, pigments, fevicol etc.	Free of cost. However, ivory paper, brushes required for application of paint/ white washing scaffolding etc., will be arranged by the contractor at his own cost.

The theoretical consumption of cement shall be on the basis of coefficients for consumption of cement as per CPWD SPECIFICATIONS. Permissible wastage for cement shall be $\pm 3\%$ while that of steel shall be $\pm 5\%$ (3% accountable and 2% unaccountable). Open cement bags and cut pieces of steel below 3 meter for

tor steel and 1.5 meter for structural steel shall not be taken back by SCL and shall be considered as wastage and recovered at the stipulated issue rates from the contractor subject to these being within the permissible limits. In case the actual consumption is more than the theoretical consumption plus permissible wastage, the excess consumption of cement and steel will be recovered from the contractor at penal rates which will be twice the stipulated issue rate.

21.0 DISPUTE SETTLEMENT

- a) If any dispute or differences of any kind whatsoever were to arise between the Engineer-in-charge, SCL and the Contractor regarding the following matters namely:-
- i) The meaning of the specifications, designs, drawings and instructions herein before mentioned.
 - ii) The quality of workmanship or materials used on the work and
 - iii) Any other question, claim, right, matters, thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or orders, or those conditions or failure to execute the same whether arising during the progress of the work after the completion, termination or abandonment thereof, the dispute shall, in the first place be referred to the Head (CMD), SCL with the details of claims, justification for the same with supporting documents such as analysis of rates, cash vouchers and other relevant particulars. Head (CMD), SCL shall within a period of sixty days from the date of being requested by the Contractor to do so or from the date of furnishing of required particulars whichever is later shall give written notice of his decision to the contractor.

If the Head (CMD), SCL fails to give notice of his decision within a period of 60 days from the date of receipt of (i) the Contractor's request in writing for settlement of dispute or difference as aforesaid or ii) relevant particulars from the Contractor in support of his claims whichever is later.

OR

If the decision of the Head (CMD), SCL is not acceptable to the Contractor, he may approach the Director, Civil Engineering Programme Office, Department of Space, Bangalore, within a period of 15 days from the date of expiry of 60 days specified above. Director, Civil Engineering Programme Office, Department of Space, Bangalore shall within a period of further 90 days from the date of receipt of request from the contractor or from the date of receipt of relevant particulars from the contractor in support of claims whichever is later give notice of his decision(s) to the Contractor.

- b) Subject to other forms of settlement hereinafter provided the Director, Civil Engineering Programme Office, Department of Space, Bangalore, decision in respect of every dispute or difference so referred shall be final and binding upon the

Contractor. The said decision shall forthwith be given effect to and Contractor shall proceed with the execution of the work with all due diligence.

c) Remedy

1. When Director, Civil Engineering Programme Office, Department of Space, Bangalore decision is not acceptable to Contractor or
2. Director, Civil Engineering Programme Office, Department of Space, Bangalore fails to give decision within 90 days.

In case the decision of the Director, Civil Engineering Programme Office, Department of Space, Bangalore is not acceptable to the Contractor or Director, Civil Engineering Programme Office, Department of Space, Bangalore, fails to give decision within 90 days specified above, the Contractor may approach the Law Court at S.A.S. NAGAR, (PUNJAB) for settlement of dispute after giving due written notice in this regard to the Director, Civil Engineering Programme Office, Department of Space, Bangalore.

Contractor to execute and complete work pending settlement of dispute.

- d) Whether the claim is referred to the Head (CMD), SCL/ Director, Civil Engineering Programme Office, Department of Space, Bangalore or to the Law Courts, as the case may be, the Contractor shall proceed to execute and complete the works with all due diligence pending settlement of the said dispute or differences.

Obligations of the Engineer-in-Charge and Contractor shall remain unsettled during considerations of dispute.

- e) The reference of any dispute or dispute(s) or difference(s) to Head (CMD), SCL or Director, Civil Engineering Programme Office, Department of Space, Bangalore or the Law Court may proceed notwithstanding that the work shall then be or be alleged to be complete provided always that the obligations of the Engineer-in-charge and the Contractor shall not be attend by reason of the said dispute or difference being referred to Head (CMD), SCL/ Director, Civil Engineering Programme Office, Department of Space, Bangalore or the Law Court during the progress of the works.

(Contractor)

**BILL OF QUANTITIES
FOR
MINOR CIVIL AND REPAIR & MAINTENANCE WORKS**

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
1.	Earth work in excavation by mechanical means (Hydraulic excavator/Manual means) over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be leveled and neatly dressed	100	CUM		
2.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m	40	CUM		
3.	Supplying and filling in plinth with fine sand under floors including, watering, ramming consolidating and dressing complete	20	CUM		
4.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – to plinth level. i) In Foundation (at all depths and upto plinth level) a) 1:2:4 (1 Cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) b) 1:5:10 (1 cement:5 fine sand: 10 graded stone aggregate 40 mm nominal size) ii) In Superstructure (at all levels above plinth level) a) 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	10 10 05	CUM CUM CUM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
5.	Centering and shuttering including propping etc. and removal of form work at all levels for: a) Suspended floors, roofs, landings, balconies and access platform b) Foundations, footings, bases of columns, etc. for mass concrete c) Lintels, beams, plinth beams, girders, bressumers and cantilevers	20 30 20	SQM SQM SQM		
6.	Reinforced cement concrete work in foundations, footings, columns, wall of any thickness, beams, slabs, landings, balconies, shelves, chhajja, lintel, stair cases etc. at all levels but excluding the cost of centering, shuttering and reinforcement. i) In Foundation (at all depths and upto plinth level) a) 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20mm nominal size) b) 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) ii) In Superstructure (at all levels above plinth level) a) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) b) 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size)	10 05 10 05	CUM CUM CUM CUM		
07.	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. a) Cold twisted bars	1000	Kg.		
08.	Brick work 7 cm thick with F.P.S. brick of class designations 75 in cement mortar 1:3 (1 cement:3 coarse sand) in superstructure	50	SQM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
09.	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a) Cement mortar 1:6 (1 cement:6 coarse sand)	10	CUM		
10.	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in: a) Cement mortar 1:6 (1 cement:6 coarse sand)	20	CUM		
11.	Cement concrete flooring 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate finished with a floating coat of neat cement slurry including cement slurry, but excluding the cost of nosing of steps etc. complete. a) 40mm thick flooring (with 20mm nominal size stone aggregate)	100	SQM		
12.	12 mm cement plaster of mix: a) 1:6 (1 cement:6 fine sand)	200	SQM		
13.	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish within SCL Campus. a) With cement mortar 1:4 (1 cement: 4 fine sand)	60	SQM		
14.	6 mm Cement Plaster of mix 1:3 (1 cement: 3 fine sand)	50	SQM		
15.	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement: 3 fine sand) a) Flush/Ruled/Struck or weathered pointing	100	SQM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
16.	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.35 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	30	SQM		
17.	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:	25	RM		
18.	Fixing chowkhats (Steel/Wooden) in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement:3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of approved wood preservative/steel primer to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of within SCL campus.				
	a) Door Chowkhats	05	EACH		
	b) Window Chowkhats	10	EACH		
19.	Forming groove of uniform size 25mm x 25 mm in the top layer of existing washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications .Groove to be made on individual panel by making suitable arrangement to ensure that no damage is to be done to the remaining portion of grit wash while hacking.The area which have to be dismantled, must be finished to match with the existing surface as per direction of the Engineer-in-Charge.	50	RM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
20.	Removing existing pre-cast PCC slabs from foot path, road berms etc. and relaying the same including leveling the surface by laying a layer of fine sand upto 2”under the PCC slab and pointing the joints with cement mortar of mix 1:3 (1 cement: 3 coarse sand)	100	SQM		
21.	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required a) Bituminous portion b) Water bound macadam	05 10	CUM CUM		
22.	Making holes in brick walls (upto 230mm thick) upto size 300mm x 300mm size and making good the same in CM 1:6 and disposal of the rubbish within SCL Complex as per direction of Engineer-Incharge.	50	NO.		
23.	Making hole in concrete work up to size 300 mm x 300 mm size and making good the same in CM 1:6 and disposal of the rubbish within SCL Complex as per direction of Engineer-Incharge.	20	NO.		
24.	Demolishing brick masonry work in cement mortar manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within SCL campus as per direction of Engineer-In-Charge.	10	CUM		
25.	Demolishing R.C.C. work manually/by mechanical means including stacking of steel bars and disposal of unserviceable material within SCL campus as per direction of Engineer-In-Charge	05	CUM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
26.	Demolishing cement concrete manually/by mechanical means including disposal of material within SCL Campus as per direction of Engineer-In-Charge a) 1:3:6 or richer mix b) 1:4:8 or leaner mix	50 10	CUM CUM		
27.	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhtas, architrave, holdfasts etc. complete and stacking within 50 meters lead: a) Of area 3 sq. meters and below b) Of area beyond 3 sq. meters	10 10	NOS. NOS.		
28.	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part 1) non-decorative type, core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10	SQM		
29.	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement:2 fine sand) including testing of joints etc. complete. a) 250 mm dia R.C.C. Pipe	20	RM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
30.	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1000	KG		
31.	Providing and fixing of asbestos cement 6mm thick corrugated sheet roofing with GI, J or L hooks, bolts and nuts 8mm dia, GI plain and bitumen washers complete. AC Sheet Make : Charminar	200	SQM		
32.	Providing and fixing of 4 mm thick AC plain sheets in facias etc. with CI, J or L hooks, bolts and nuts (8 mm dia) with plain and bitumen washer complete. AC Sheet Make: Charminar	50	SQM		
33.	Fixing MS angle posts on walls/ground and embedding in PCC 1:2:4 of required size including making holes in angles to receive barbed wire/chain link fencing of required size upto a height of 2.5 meters. (Fabrication of angle and PCC to be paid separately).	25	NOS		
34.	Providing and applying one coat of bitumen of grade 85/25 over roof surface @ 1.25 Kg. per sqm at all elevation as per direction of Engineer-Incharge	100	SQM		
35	Providing and fixing GI Pipes complete with GI fittings and clamps including cutting and making good the walls etc. a) 15mm dia nominal bore b) 20mm dia nominal bore c) 25mm dia nominal bore Pipe Make: Jindal Hissar/Tata	50 50 50	RM RM RM		
36.	2 cm premix carpet surfacing with 1:8 cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sqm and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13:2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete: (tack coat to be paid for separately) a) With paving Ashphalt 80/100 heated and then mixed with Solvent @ 70 gram/kg of Asphalt.	50	SQM		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
37.	Painting with synthetic enamel paint and Aluminium paint of required shade to give an even shade on all existing surface at all elevations including cleaning/scraping existing painted surface with ivory paper etc. before application of fresh coat of paint (Paint, thinner to be provided by SCL free of cost) a) Old work on doors, windows, corrugated GI sheets, shutters, panels, weld mesh, wire mesh etc. (Minimum two coats)	4000	SQM		
38.	Finishing walls with water proofing cement paint of required shade to give an even shade at all elevations including cleaning of existing surface of algae, stairs etc. (Minimum two coats) (water proofing cement paint to be supplied by SCL free of cost)	1500	SQM		
39.	White washing/colour washing with lime and neel, pigment mixed with fevicol @ 100 gm per kg of lime to give even shade as per direction of Engineer in-charge at all elevations. Surface to be first scrapped and cleaned before the application of white wash/colour wash (lime, fevicol, neel etc. to be supplied by SCL free of cost) (Minimum two coats)	2000	SQM		
40.	Applying one coat of Red Oxide Primer on all steel surfaces (Primer, thinner to be supplied by SCL free of cost)	50	SQM		
41.	Painting synthetic enamel paint (paint, thinner to be supplied by SCL free of cost) and of required shade to give an even shade on structural steel surfaces at all elevations comprising steel channels, gratings, stairs, plates, flates, angles etc. including cleaning of surface with wire brush, ivory paper so as to remove the rust, all complete as per direction of Engineer-in-charge (Minimum two coats).	05	MT		

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT
42.	Wall painting with plastic emulsion (Paint to be supply by SCL free of cost) on all existing surface and at all elevation to give an even shade including scrapping of existing painted surface with ivory paper all complete as per direction of Engineer-Incharge. a)Two coats	2000	SQM		
43.	Painting MS pipes with synthetic enamel paint (paint, thinner to be supplied by SCL free of cost) of required shade to give an even shade on pipes including cleaning the existing painted surface etc. (Minimum two coats): (Painting to be provided by SCL) Pipe Size (dia) a) 50mm b) 75mm c) 100mm d) 150mm	100 100 200 100	RM RM RM RM		
44.	Applying spirit polish to wooden/furniture, partition etc. (material such as spirit, lakdana etc. to be supplied by SCL free of cost)	30	SQM		
45.	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface etc. complete. a) On Steel work b) On concrete work (Epoxy to be supplied by SCL free of cost.)	100 50	SQM SQM		
		TOTAL AMOUNT			

Note:

1. Cement and steel shall be issued by the SCL at stipulated rates as mentioned in the clause no. 20 of the General Terms& Conditions of the contract.
2. Plinth level is upto 600mm above average ground level.
3. For painting works scaffolding to be arranged by contractor at his own cost.
4. Work is to be carried out at all elevations.
5. Work to be carried out at any place within the SCL Complex.
6. Makes of material shall be approved by SCL

Contractor