



॥ सा विद्या या विमुक्तये ॥

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भारतीय प्रौद्योगिकी संस्थान धारवाड

**Indian Institute of Technology Dharwad**

Near High Court, PB Road, Dharwad-580011

TEL NO: +91 836 2212 839

**Tender for providing Annual Service Maintenance Contract (ASMC) in respect of Civil and Miscellaneous works for one year to IIT Dharwad in WALMI Campus**

Tender no: IITDH/MMD/IPS/2019-20/29

INDIAN INSTITUTE OF TECHNOLOGY DHARWAD  
Near High Court, PB Road, Dharwad-580011  
TEL NO: +91 836 2212 839

**Tender no: IITDH/MMD/IPS/2019-20/29**

1. NOTICE INVITING TENDER

Name of the work:	Tender for providing Annual Service Maintenance Contract (ASMC) in respect of Civil and Miscellaneous works for one year to Indian Institute of Technology Dharwad in WALMI Campus
Type of Tender:	Open Tender Enquiry
Estimate Value:	Rs.50.00 Lakhs approximately
Cost of tender documents	Free of cost
EMD:	Rs.1,00,000/- (DD/PO in favour of The Registrar, IIT Dharwad) to be attached with the tender as separate sealed envelope.
Issue of tender:	24 <sup>th</sup> July 2019
Date of Pre bid meeting	02 <sup>nd</sup> August 2019 at 10:00 AM in Meeting Room at IIT Dharwad
Last date for submission of tender:	Date: 19 <sup>th</sup> August 2019
	Time: 10:00 AM
Opening of tender:	Date: 19 <sup>th</sup> August 2019
	Time: 10:30 AM
Contacting Authority:	The Assistant Registrar (MMD) Near High Court, P B Road Dharwad-580011 E-mail: <a href="mailto:armm@iitdh.ac.in">armm@iitdh.ac.in</a> Telephone: 91-836-2212-839

**Tender no: IITDH/MMD/IPS/2019-20/29**

**1. GENERAL CONDITIONS OF CONTRACT**

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Sealed tenders are hereby invited on behalf of the Indian Institute of Technology, (IIT) Dharwad, for providing Annual Maintenance Contract (AMC) in respect of Civil and Miscellaneous works for one year to Indian Institute of Technology Dharwad in WALMI Campus, Karnataka.

**2. QUALIFICATION CRITERIA:**

Only those bidders fulfilling the following Eligibility Criteria should participate in the tender: -

- 2.1 Bidders should be registered Government Contractor of Class II and above and must be in the business of providing AMC in respect of civil works since 5 years or more (i.e. the firm must be in the business since August 2014 or earlier).
- 2.2 The Bidder must have carried out at least one similar annual civil AMC work of minimum Rs.50 lakhs in reputed organizations/IITs/IIMs/Govt. offices/PSUs/Central Universities etc. during a period of last 5 years (i.e. must have successfully completed the work during August 2014 till date). Completion certificates etc. to this effect are required to be enclosed.
- 2.3 A Certificate/Undertaking on the letter head of the Company to the effect that the bidder has not been blacklisted anywhere in India or abroad by any organization. A self-certification to this effect is required to be enclosed.
- 2.4 The Bidder should be registered with concerned statutory authorities for GST/Income Tax etc. The bidder should furnish relevant GST registration documents and PAN/TAN copies along with the bank details of the firm.

Any prospective bidder, not satisfying any of the above mentioned qualification criteria shall be disqualified on technical grounds and the price bid of such disqualified bidder will not be considered for this tender.

3. Tender documents can be obtained from IIT Dharwad website:

[http://www.iitdh.ac.in/announcements\\_worktenders.php](http://www.iitdh.ac.in/announcements_worktenders.php)

4. Tenders are to be submitted in a serially numbered & bounded manner. Tender should be placed in sealed cover super-scribed with the name of the work and the same will be put in the tender box by the tenderer kept in Office of Assistant Registrar up to 10:00 AM on or before last date and time of bid submission as mentioned in Notice Inviting Tender (NIT) and will be opened by Assistant Registrar or his authorized representatives in his office / any other place in the Institute on date and time of tender opening as mentioned in NIT, in the presence of such tenderers who desire to attend.

5. Tenders must be submitted in sealed covers and should be addressed to The Assistant Registrar (MMD), Indian Institute of Technology Dharwad, Near High Court, PB Road Dharwad 580011. The name of the tenderer and the name of the work must be noted on the above.

6. Income Tax PAN number & GST registration number is to be submitted along-with the bid.
7. The tenderers should write in figures as well as in words for the rates quoted by them on the proper form of the tender. All corrections / over writings must be attested by the dated initials of the contractor. The tenderer is advised to avoid offering discount /rebate in the covering page or at the end of the schedule. Instead the same can be incorporated in the unit rate by reducing the unit rates. If at all offered, the discount / rebate percentage offered is to be written in words such as Five percent / point Five percent etc.
8. The rates quoted shall be exclusive of GST. The contractor shall quote for all the items whose rates are asked and not leave any blanks. All taxes including GST shall be borne by the contractor.
9. The offer should be valid for 60 days from the date of opening for the purpose of issue of acceptance letter. The amount quoted herein after referred to as Base rate must be firm and inclusive of all charges of any kind and inclusive of any kind of liability from / to any authority. GST shall be mentioned separately and must not form part of base price. There will be no extra payment or payment of escalation in the amount under any circumstances whatsoever. Statutory taxes will be deducted at source from the payment against the bill amount.
10. No extra item or substitute item shall be allowed out without prior approval in writing.
11. Work has to be carried out in consultation with the representative as authorized by IIT Dharwad.
12. The tenderer should submit the requisite interest free Earnest Money Deposit (EMD) by pay order or Demand Draft in favour of the Registrar, IIT Dharwad. Tenders not accompanied by the Earnest Money Deposit shall not be considered. The EMD of unsuccessful tenderers will be returned within one month of award of work. In case EMD exemption is sought under SME/MSME/NSIC, Valid certificate from MSME explicitly mentioning the tender work herein, is required to be submitted.
13. The contractor whose tender is accepted will be required to furnish security deposit for the due fulfillment of his contract. Security deposit shall be deducted from each running account (RA) bill @5% (Five percent) of the amount of work executed and claimed in the bill. The Earnest money deposit paid by the successful bidder at the time of tender will also be retained as Security Deposit and shall be released after payment of final bill.
14. The full value of Earnest Money Deposit is to be absolutely forfeited to the Director, IIT Dharwad or his authorized representative, with prejudice to any other rights or remedies to the Director, IIT Dharwad or his authorized representative, if the contractor fails to commence the work within 15 days continuously from the schedule date of commencement specified.
15. No part of the contract shall be sublet without written permission of IIT Dharwad nor shall transfer be made to power of Attorney authorizing others to receive payment on contractor's behalf.
16. **Process for execution of Civil ASMC Works:** The successful contractor shall execute the Civil AMC work only upon receipt of the written approval. No work shall be commenced without obtaining written sanction from the Office of Dean (IPS) and AR (Works). The written approval shall form the basis of execution of work at site and must be enclosed with the RA bills for the purpose of measurement of work carried out and settlement of bills. Failure to obtain written permission to carry out the work and non-submission of approvals with the bills may result in deduction of final payment.
17. IIT Dharwad reserves the right to reject any tender or all the tenders without assigning any

reason therefore.

18. The Contractor shall comply with the provisions of all Acts, Statutes, Rules, Regulations etc. of the Central and State Government as the case may be that may apply to his case and if necessary, get himself duly registered as required by the said Acts, Statutes, Rules, Regulations etc.

19. The contractor for the work shall be liable to pay applicable tax (including Taxes on works contract to state Government) if any that may be levied by the State or Union Government. Any request contrary to this will not be accepted.

20. Completion period: As per the details mentioned in the written approval issued prior to execution of work.

21. **Terms of payment:** As per the measurements at site and on certification of the site engineer.

- a) The contractor shall submit his monthly bill in triplicate along with monthly muster sheet & written approvals.
- b) The payment shall be released through NEFT/RTGS payment system only in the bank account of the contractor after necessary deduction of statutory dues.
- c) TDS and other Statutory taxes shall be deducted at the source from the monthly bills.

22. It shall be open to the Institute to abandon or give up at any stage of the construction of any of the said works or any part thereof. In the event of such abandonment or giving up or in the event of termination of the agreement, the Contractor shall be paid up to the work performed by then.

**23. DEVIATION, EXTRA ITEMS & APPROVALS FOR PRICING:**

In case of execution of any extra items(s), apart from the BOQ, contractor must intimate the office of Dean (IPS) to obtain prior sanction for carrying out the work along with the quantities & rates. Thereafter, the contractor may submit the bills as per the usual practice of submission of RA bills.

DEVIATION LIMIT FOR THE CONTRACT ITEMS IS 50%.

In case of contract items which exceed the limit of 50%, the contractor must intimate the office of Dean (IPS) to obtain prior sanction for carrying out the work along with the quantities & rates. Thereafter, the contractor may submit the bills as per the usual practice of submission of RA bills.

24. Termination of contract If the Contractor fails to perform any of its obligations under this agreement or if Institute is dissatisfied with the services of the Contractor, Institute may issue seven days' written notice intimating the Contractor of their failures or deficiencies and calling upon Contractor to rectify within such time as may be specified in the notice and if the Contractor fails to perform such obligation or make good such deficiencies as pointed out to the Contractor in the notice, Institute may terminate the services of Contractor under this agreement. Institute may also terminate the Contract hereunder:

- i) if the firm is adjudged bankrupt or
- ii) if they make a general assignment for the benefit of their creditors or
- iii) if a receiver is appointed on account of their insolvency or
- iv) they disregard law, ordinances, rules, regulations or orders of any public authority having jurisdiction on the works.

The termination shall be without prejudice to all rights, liabilities and remedies that have arisen or accrued till date of such termination or that may arise on account of such termination. In such case,

the Contractor shall not be entitled to receive any further payment, if due, until the loss, damage or expense incurred by Institute due to breach of this agreement by Contractor have been settled.

In case the Contractor abandons the work during the course of the project, the Institute reserves the right to appoint an alternate Contractor or make an arrangement for carrying out the work of Contractor, at the risk and cost of the Contractor. Traveling / daily allowances shall not be payable to the Contractor, its representatives, officials and consultants engaged by it for their visit to construction site, offices of local authorities, Employer's office or any other place in Dharwad.

The scope of work broadly described herein and assigned to Contractor, as their area of responsibility is inclusive of all constancy and other services required in connection with the completion of work whether specifically mentioned herein or not and rendering such constancy services will not entitle the Contractor to charge any additional fees in as much as the same are included in the overall professional fees payable to them.

**25. Liquidated Damages Clause:**

If any delay in execution of the works is attributable to the acts or omissions and commissions of Contractor, Institute shall be entitled to recover liquidated damages at the rate of 0.5% of the total fees for each week of delay limited to maximum of 10% of the total actual fees payable.

**26. Professional indemnity:** Contractor warrants that it shall exercise high degree of care and diligence in rendering the services pursuant to this agreement and that; such services shall be of a quality and standard satisfactory to Institute. The Contractor shall indemnify Institute from any damage or loss arising from such lack of care and diligence or arising out of any unsatisfactory performance of service by Contractor. The contractor is required to obtain a Contractor All Risk (CAR) policy for successful and safe completion of project. Contractor shall provide a copy of this policy to Institute showing that such insurance has been taken and being maintained and that all the premia thereon have been paid. A certified copy of such insurance policy shall be deposited with Institute.

**27. Dispute Settlement:** In case of any dispute or difference arise between the parties during the progress of or after construction of this contract or touching or relating either to the said buildings or works, or to any other matter or thing arising directly or indirectly under this contract, then and in such an event the same shall be referred to Director, IIT Dharwad as the SOLE ARBITRATOR who shall alone consider and determine the same, whose decision / award shall be binding and conclusive upon both the said parties and this clause shall be deemed a submission within the meaning of Arbitration and Conciliation Act 1996 or Statutory modification or re-enactment thereof. It is specifically agreed that the Contractor shall continue to render its services provided herein with all the due diligence, professional skill and tact notwithstanding that any matter, question or dispute has been referred to arbitration. The venue of Arbitration proceedings shall be Dharwad. It is further agreed between the parties as hereto that the Dharwad Courts alone shall have the exclusive jurisdiction.

**28. Site:** The contractor shall remove all surplus materials, debris etc. out of the IIT Campus from the site of work on completion work and will hand over the site clean before the bill is processed for final payment. Dismantled materials if any (declared by In-charge of the work) shall be returned to the Estate/ Electrical stores by the contractor at his own cost. The disposal of material shall be done in environmental friendly way and complying with the local rules and regulations.

**29. Security**

**a. Movement of contractor's materials:**

Any materials which are removed from the site of work and are required to be taken out from the IIT campus, the contractor should follow the following procedure:

The contractor shall apply in writing to the In-charge of the work the details of the materials to be removed including which are rejected etc. This application shall be endorsed by the In-charge of work or his authorized representatives. The materials shall only be allowed to go out of IIT campus after counter signature of the security officer and checked at the gate. No materials/tools will be allowed to be brought on holidays/Saturdays/Sundays inside the campus. Contractors can bring the materials/tools/between 0900 hours and 1700 hours on any working day (Monday to Friday). This may please be noted.

b. Search:

Thorough search of all persons and transport shall be carried out at each gate and for as many times as gate is used for entry or exit and may also be carried out at any time or any number of times at the works site within the restricted area.

c. Labour Law:

The work will be executed strictly following the Labour Laws of Central Govt & State Govt as may be applicable.

### 30. Scope of Work

- a) To maintain, repair and retrofit, construct and other civil services etc. under the custody of IIT Dharwad in WALMI Campus.
- b) The contractor posted should attend and available in the IIT Dharwad WALMI campus to attend the work 24 x 7 on all days.
- c) The contractor will be responsible for undertaking all types of repair /replacement pertaining plumbing/sanitary work in the entire WALMI campus under custody of IIT Dharwad.
- d) The necessary materials viz. plumbing pipes fittings, spindles, CP fittings, stone ware pipes, GI/PVC drainage pipes with fittings of approved quality required for day to day maintenance/repair/replacement will be arranged by the contractor.
- e) The contractor shall provide tools necessary for the work and no work should be left un-attended for wants of tools.
- f) The contractor has the responsibility to provide all safety garments, equipment's, tools etc. to his staff or the persons dealing with work.
- g) Maintaining a register for all activities detailing date, time, item, item description, quantity, complaints diagnosis, time of completion of work etc. The register will be daily shown to the authorised staff of IIT Dharwad and countersigned to acknowledge the activities attended to reflect daily progress. The payment claimed by the contractor will be cross-checked with this register on each occasion.
- h) The contractor shall ensure that all energy efficient appliances, spare parts should be replaced as per the standard of approved make/brand by PWD, KPTCL or HESCOM.
- i) It shall be responsibility of the contractor to execute the work of maintenance and repair including replacement of sanitary and plumbing fittings at all levels and heights of the buildings for which necessary Jhoola, safety belt, Scaffolding, helmets etc. will be arranged by the contractor at their cost.
- j) The carpenter's service should be available as and when required.
- k) The work of the contractor will be supervised by the authorised representative /Engineer of IIT Dharwad
- l) The maintenance contract consists of operation and maintenance of existing buildings, plumbing and related services, petty civil works, construction of sheds, fast track structures, maintenance of staff quarters, roads and path ways etc. as detailed in schedule accompanying the notification and tender documents.
- m) The operating/ Supervisor staff shall possess the knowledge of firefighting and first aid.
- n) The operating/supervisor personnel shall have the basic knowledge and technical skill of civil execution works to carry out civil and plumbing works independently in case of

- emergency and urgent repair works.
- o) The contractor/operator/supervisor personnel shall have a clear working knowledge of the various BOQ items and shall not meddle /alter the BOQ items without the permission of the Engineer in charge.

31. **Evaluation Criteria:**

The L-1 will be decided on the Grand total rate quoted for the work. All levies/taxes (i.e. GST etc.) must be clearly mentioned in the row provided for the purpose (as per format of commercial bid).

However, the decision of the Competent authority will be final and binding in awarding the order.

In case of any clarification required, the same can be clarified from IIT Dharwad before submission of the bids.



## Annexure-1

### Bidder Information

1.	Name of the Bidder	
2.	Address of the Bidder	
3.	Government Registration Class	
4.	PAN No.	
5.	GSTN No.	
6.	State of GST Registration	
7.	E-mail	
8.	Contact Person's Name & Designation	
9.	Mobile No.	

**Signature of the Bidder with date and seal**

**Tender no.: IITDH/MMD/IPS/2019-20/29**

**SCHEDULE OF WORK / BOQ / PRICE BID  
(To be quoted on the letter head of the bidder)**

Tender for providing Annual Service Maintenance Contract (ASMC) in respect of Civil and Miscellaneous works for one year to Indian Institute of Technology Dharwad in WALMI Campus, Karnataka.

S. No.	Description	Unit	Rate	Approx. Qty.	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually ( other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables ) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum		40	
2	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5	Cum		30	
3	KSRB 2.3 : Filling available excavated earth ( excluding rock ) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum		50	
4	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum		50	
5	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils all-round the building and low laying areas complete as per specifications.	Sqm.		1000	
6	KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the	Sqm		40	

	top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipment, complete as per specifications. (Plinth area of the building at ground floor only shall be measured )				
7	Providing general disinfection services, spraying of insecticide and pesticide inside and outside the building ( flies, bedbugs, lizards, cockroaches, spiders caterpillars etc., including cost of materials labour lead lift, hire charges of equipment etc., complete.	Sqm		400	
8	KSRB 4-1.1: Providing and laying in position plain cement concrete of mix M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum		20	
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum		25	
10	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation ,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum		20	
11	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum		5	

12	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplasticiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	Cum		20	
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	sqm		70	
14	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. For all heights 0 to 10 meters	sqm		70	
15	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specification.	sqm		30	
16	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications	Sqm.		40	
17	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification.	Sqm		30	
18	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	M.T.		1.1	

19	KSRB 5.1-3 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 (uncoursed ), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum		15	
20	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	No.		150	
21	KSRB 6-6.2 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 75 ( Machine moulded Wire cut bricks ) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2	Cum.		35	
22	KSRB 6-7.2 : Construction of partition wall 11.2 cms thick with non-modular table moulded burnt bricks of class designation 50 with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanised iron of nominal thickness 0.35 mm. 100 mm. wide as per I.S. 2212/1991 at 7.5 m. c to c including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm.		35	
23	Fabricating, supplying & erecting M.S. Truss and other structural members like, beams, columns, bracing members etc. All the members are welded properly where ever required and proper and rigid supports shall be provided by welding, appropriate nut bolt connection by considering required anchor lengths of bolts. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipment, etc., complete as per specification	kg		2000	
24	Providing, fabricating, assembling and fixing in position aluminium partition using 101.60mm x 44.45mm x 3.18mm aluminium, mat finish or glossy finish, anodized sections combination of plain, single groove and double groove members should not exceed 0.60mc/c and bottom member of required lengths, joints mitred and corner grinded sub dividing assembled frame should be stiffened with corner angles. Stripped and fixed with screws rawl plug and teakwood guttas to RCC column or masonry on sides. RCC lintels or beams at top and mosaic floor at bottom; including cutting chiselling and making good with	Sqm.		20	

	<p>cement mortar to match the surface. Providing and fixing 12mm.thick pre laminated sheet (Eco board – exterior grade) of approved colour for bottom panel of maximum height 0.9m, and 5.50 mm thick plain or pin headed glass for middle panel and top panel with glazing clips pf 19.05mm.x17.30mm.1.00mm. All the aluminium sections used to be treated for removal of any rust and prevention of further rust formation and coated with greasy materials for non-adherence of mortar or any other sticky materials. do as per the specs mentioned. use the Aluminium section anodized to 12-15 microns.</p>				
25	<p>Providing and fixing 6mm Bronze Multi wall poly carbonate sheet for Tubular structure. The work including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipment, complete as per specification.</p>	Sqm.		15	
26	<p>KSRB 12-5:3 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom 1.68 m deep and 0.56m dia. at top, with table moulded and non-modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame ( heavy duty, HD-20 grade designation) 560mm internal diameter conforming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of machineries complete as per specifications. ( Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately ) Specification No. KBS 12.4</p>	Nos		2	
27	<p>KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, ( clear inside dimension ) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg ( weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.</p>	Nos.		3	
28	<p>Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of</p>				

	pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (External work).				
	13.87.1 15mm nominal OD pipes	Rmt.		100	
	13.87.2 20mm nominal OD pipes	Rmt		100	
	13.87.3 25mm nominal OD pipes	Rmt		50	
	13.87.4 32mm nominal OD pipes	Rmt		40	
	13.87.5 40mm nominal OD pipes	Rmt		20	
	13.87.6 50mm nominal OD pipes	Rmt		20	
29	KSRRB M200-17.1 Dismantling of steel works in all type of sections upto a height of 5m above plinth level including cutting of rivets	Mt		2	
30	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of block of approved size, shape and colour with a minimum compressive strength of 281 kg per sq.cm. over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specification. Rubber mould pavers and should be approved for IIT engineer.	Sqm.		100	
31	Providing and fixing of wall cladding using 20mm thick gang saw water cut grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete.	Sqm.		10	
32	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm.		100	
33	KSRB 15.3 Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm.		100	
34	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.do with primer.	Sqm.		150	
35	Providing and applying painting one coat including of priming coat on new wood surface / wood based surface with enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour ,complete as per	Sqm.		75	

	specifications.				
36	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly booming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm.		100	
37	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. I) Lime /Cement Concrete. I. By Manual Means: A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No. 202	Cum.		20	
38	KSRRB M200-12.3. –do– C .pre-stressed / Reinforced cement concrete grade M-20 & above.	Cum .		10	
39	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications.(which includes cost of gravel / murum, watering charges & compaction by vibratory roller) MORTH Specification No. 305	Cum		50	
40	Providing and fixing sign-boards of size 60x60cm equilateral triangle using M.S sheet 5mm thick with RCC pole of size 0.15x0.15x2.3 Mtr made out of cement concrete M 20 proportion using 20mm and down size graded metal machine mixed with 10mm dia main steel bars and 8mm dia. stirrups as shown in drawing. The poles shall be embedded in the ground for a depth of 0.6mtrs with cement concrete M 10 proportion. The board shall be fixed as per the drawing and at the place indicated by the Engineering charge of the work. The cost includes excavation, cost of all materials, cost of steel, centering, transportation charges, fixing charges etc., The work shall be carried out as per the detailed specifications, drawings and directions of the Engineer in charge of the work.	No.		10	
41	Providing and laying of world class mineral acoustic ceiling panels of as per the following specification: -size of module size 600x600x19mm with exposed grid. The tiles should have Humidity resistance (RH) of 99% light reflectance 87%, Thermal conductivity =0.052-0.057 w/m K, NRC-0.7, colour white, fire Performance UK A2 S, d0, with Anti- microbial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with cleanroom class ISO 5, Decontamination class of CP10 and bacteriological cleanliness class B1 for specific strains and reduction in colony size. Wash ability properties for 500 wash cycle as per ASTM D -4828 and suitable for Green Building application with Recycled content of 37%.	Sqm		25	



42	KSRB 7.9 : Providing and fixing M.S .grill work for windows and ventilators weighing 21kg/sqm. using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	Kg.		100	
43	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92.x31.75mm. for bottom section 1.3mm thick, weight 1.07 kg/m; sides and top sections 1.3mm. thick weight 0.933kg/m shutter frame section comprising top and bottom section of size 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter inside section 40mmx18mm wall thickness 1.25 mm. weight 0.417 kg/m; shutter interlock section 40mm x 26.7mm wall thickness 1.1 mm thick weight 0.469kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenoned and riveted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams; cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pre-treated for removal of any rust and coated with greasy materials for non-adhesion of mortar and other sticky materials.	Sqm.		15	
44	KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred corners grinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and	Sqm.		10	

	coated with greasy materials for non-adherence of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chiselling and making good with cement mortar to match the surface; all the frames thoroughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. -do- using aluminium section anodized to 12 - 15 microns.				
45	Providing and fixing M.S. Hand railing for Balcony with 50mm dia...M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections should be cut to length, welded and grinded wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm.		20	
46	<b>Supply of Labours</b>				
	a) Unskilled	Nos		1800	
	b)carpenters	Nos		300	
	c)masons	Nos		100	
	d)welders	Nos		50	
	e)fabricators MS/Aluminium	Nos		60	
47	<b>Machineries on Hire basis</b>				
	providing of JCB	Hour		200	
	providing of tractors	Day		100	
	Supplying of 8-10 tonne roller	Hour		30	
	Providing and supplying of water tankers capacity (3000 liters)	Trip		60	
48	Laying interlocking pavers over 50mm thick sand bed (Avg thickness and compacting with plate vibrator having 3 tonne compacting force there by forcing part of sand to come up in between joints, final compaction of paver surface into the final layer including ,labour and HOM of machineries.(Excluding paver blocks)	Sqm.		400	
49	Supplying and fixing of Aluminium window GI mesh to windows and ventilators, includes removal of existing windows and refitting them if its necessary-sample to be approved by site in charge	Sqm.		50	
50	Providing wood frame of door, windows, clerestory windows, ventilators and other frames, wrought framed or assembled including making plaster grooves, including cost of materials, labours, HOM complete as per specifications Mathi/Nandi wood frame	Cum.		0.50	

51	Providing and fixing vitrified glazed tiles of approved make, quality and colour of size 600x600x10mm thick fixed on bed of 12 mm thick cement mortar for flooring, skirting mixed with pigment to match shades of tiles, including providing spacers at required intervals and removing stains, including cost of all materials, mortar, labour etc complete as per specifications	Sqm.		50	
52	KSRRB M300-10 Renovation lawns including, weeding forking the ground top dressing with forked soil, watering and maintenance the lawns for 30 days and more till the grass forms a thick lawn free from weeds and fit for moving and disposal of rubbish as directed including supplying of good earth if needed but excluding the cost of well decayed farmyard manure complete as per specifications. MORTH specification NO 8	Sqm.		500	
53	Providing and installing of pre painted Galvalume iron Trapezoidal profiled sheet of approved make 1060 width 28-30mm crest height with crest distance of 200 mm c/c with ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47mm +/- mm tolerance Zinc-Aluminium Alloy coating AZ150 gsm as per ASTM 1397/A755-550 MPA steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self-drilling/self-tapping screws of 25mm length, to be fixed over the existing purlins, rafters ,channels and trusses.	Sqm.		200	
54	Providing and applying enamel metal paint two coats including priming coat over new steel or the metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials. Labour complete as per specifications.	Sqm.		200	
Total					
GST rate @12%					
Grand Total Amount (including GST)					

Declaration: I/We do hereby accept all the terms and conditions laid down in the tender document for the above said work/supply. I/We also agree to the condition that the right to suspend the tender process or part of the process, to accept or reject any or all the tenders at any stage of the process and/or to modify the process or any part thereof at any time without assigning any reasons thereto is reserved by the Competent authority of the Institute without any obligation or liability whatsoever.

**Signature of the Bidder with date and seal**

## LIST OF APPROVED MAKE/MODEL

- 1) All material shall confirm to relevant technical specification. The material shall be further subjected to tests in the recognized laboratories at the sole discretion of the Engineer-in-Charge and shall be at contractor's cost.
- 2) Material bearing appropriate IS marking and having valid licence for the last 3 years shall be given preference while selecting for the work
- 3) In the case of material which are not widely available with IS marking in the market but confirm to the technical specification mentioned in the tender documents, the same shall be procured from any of the manufacturer listed below after prior approval of the EIC.
- 4) Reinforcement steel shall be procured from any vendors who have the license for at least 5 years for manufacture of BIS or Tor allies, subject to prior written approval of the EIC. Steel samples of all the lots procured shall be subject to testing through recognized laboratories and shall be at contractor's cost.
- 5) Cement for the work shall have relevant IS marking and every lot shall be subject to tests in the recognized laboratories and shall be at contractor's cost.
- 6) EIC can approve any other brand subject to verification of the adherence to the relevant technical specification

<b>Sr. No</b>	<b>Description</b>	<b>Approved Makes</b>
1	Cement(Grey)	ISI marking confirming to point 2 and 5 above
2	Cement (White)	Birla/J.K.
3	T.M.T. steel	ISI marked confirming to point 4 above
4	Structural steel	SAIL/TATA/JRINL/IISCO/VIZAG
5	Ready mix concrete	ACC/L7t/Ultrateck/Lafarge/RMC/Godrej/skyway
6	Precast Concrete product	Siporex Ind.; B.G.Shikre & co.; Supreme Concrete Minato Blocks-Kolhapur
7	Antitermite treatment	Chemical and agency -Approved by IPCA
8	Stainless steel	Jindal/SAIL/Golden
9	Ceramic Tiles	Kajaria-flooring/H.R. Johnson(i)/Nitco/Somani
10	Concrete cover Block	Raj Cover blocks/Astra concrete products
11	Ceramic mosaic tiles	Shon
12	Paver Series	H.R. Johnson(i)/ Sirex
13	Kotah stone	As approved by Architect
14	Steel grey granite	As approved by Architect
15	Vinyl Flooring	Responsive/Nora /Armstrong
16	ABD paint	Asian paints/Nerolac/ ICI/Garware paints/ /Jenson Nicholson/Noble Paints
17	Texture paint -External	Sherwin Williams/NITCO-Ruff &Tuff-Verticle Asian paint-Rough Tex-Verticle Scratch ,Godavary Paints Ltd.- Syntetic Plaster Duraplast-verticle
18	Enamel paint	Asian paint/ICI/Nerolac/Berger/Jenson Nicholson
19	Glass for windows	Saint Gobain/Modi/Triveni/Shree Vallabh/I.A.G./ Float Glass India Ltd/Asahi
20	Aluminium section for Doors, windows & wall spans	Indal/Jindal/Hindalco/Bengal rolling Shutters-Kolkata/Geeta
21	Steel doors, windows and pressed steel door frame	Sen Harvic; SGEW;HOPES Metal; Multiwyn; R.I. vala & sons;Modem

		Fabricators, Calcutta; Techome; Nishan Solid door frame; windows; welcome door; Behar Bobbin & Engg. Works; Anjali Enterprises; Sunbeam; Abaq System; Ankur Ind. Kolkatta. Mahalaxmi Engg. Works.
22	Anodized aluminium fittings for doors/window	Crown/ALANS/Classic/Bharat/Argent/Shalimar
23	PVC/FRP doors and frame	Deep doors; Fibroplast-Latur
24	Flush doors	Duraboard/Kit ply/Marino ply/ Shreeji Doors,Anand Wood Craft and Other ISI Marked make
25	Laminate	Greenlam/Merinolam
26	Integral Water Proofing compound	Accoproof;Cico; Impermo; Pidilite; Roff; Mc Bouchmie;Fosroc
27	White cement-based putty for concrete/plastered surface	Wall care putty of Birla white;Plasto shine wall putty of Walplast Products pvt. Ltd.
28	Polycarbonate sheet	Danpalon/Alcox/polygala/Lexan
29	Floor spring & floor lock	Dorma/Sevax/Casma
30	Mild steel Butt Hinges/Piano hinges	Jolly/Garg/AMIT/ASI Supreme
31	Door hardware as specified in the item	
32	Waterproof cement paint	Snowcem/Asian Paint/Berger
33	Nuts Bolts/screw	Kundan/Puja/Atul
34	Mineral Fiber Ceiling	Lloyed/Nittobo/Armstrong
35	Welding Rods	Ador/Cosmos/ Esab/Super Bond(s)
36	Fastener	Fisher/Hilti
37	Ready mix plaster	Ultratech/J Kumar Plast/ K95(Krishna) / Sound Buildcare Pvt. Ltd./M/s Premier floor to roof material pvt. Ltd. M/s Wall Plast Products
38	AAC block	Ultratech/Ascolite/ Siporax/ Godrej and Boycee
39	Vitrified tiles	RAK/H.r. Jhonson(i0 /Nitco/ Somani/ Kajaria
40	Structural glazing Al. section	Indal/Jindal/Hindalco/Bengal Rolling shutters-kolkata/Geeta/Banco Aluminium/Royal touch
41	A C. P	DURABUILD, ALUBOND, ALUDECORE
42	Water Closet	Parryware-Orissa open rim code CO111-500x400 Hindware-Orissa Open-Cat No 20043
43	Wash basin	Parryware-Co471 Hindware-WINDSOR cat no.10036 Cera-CADMAN 2812 wash basin
44	CP brass fittings and fixture such as bib tap, stop cock pillar tap waste coupling, bottle trap grab bar	Kingston, Jaquar, GEM or as specified in theitem
45	stainless steel sink	Nilali.Neelkanth/AMc,Jayna or approved eq.
46	Floor drain fixture, rain water Outlet	ACO/GMGr/Geberit47 Gi/M.S pipes / Viega
47	Ball valve	MBM .Sant, Techno,A.i/(JS) ZOLOTO or approved eq.
48	S.W. pipe	Kashmira ,rajura ,Girgo .perfect ,C.I or approved
49	HDPE pipes	Prince, Goutam, Duraline, Kimplas/reliance or

		approved eq.
50	SS pipe	Remi/ Virga
51	SWR-UPVC pipe and fittings	Prince, Premium, supreme, Finilax. Kisan .perfect potteries, Jabalpur
52	PVC flushing cistern	Commander. hindustan, duralite or approved Eq.
53	flush valve	Jaguar.Parko,Orient
54	Upvc pipe	Astral/Finolax/Supreme
55	Cpvc Pipes	Ajay/ Ashirwad/ Supreme
56	Ball Float Valve	Esseti/HBD/Zoloto
57	Fire Extinguisher	Honeywell/ L& T/Ceasefire
58	Galvolume sheet	Bhushan, Jindal
59	Any item not covered above	As approved by Competent Authority at IIT Dharwad (item to be used after according written approval)