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AN ISO 9001:2000, ISO 14001:2004 & OHSAS 18001:2007 COMPANY

KIOCL LIMITED
(A Govt. of India Enterprise)
Panambur, Mangalore-575010

No.PROJ./TC/ 5232

Dt.: 11.08.2010

Dear Sir,

Sub: Annual contract for civil maintenance works in Pellet Plant Unit, KIOCL Limited,
Panambur, Mangalore.

Please find enclosed herewith the tender documents for (i) Technical Bid - comprising of Proforma for Technical evaluation, Invitation for tender, instructions to tenderers & terms & conditions, Special conditions of contract, Technical specifications and (ii) documents for Price bid comprising of Pre-priced schedule of work for i) Annexure 'A' (civil works), ii) Annexure 'B' (material supply) along with Form of Bid. iii) Schedule of work for labour supply (Annexure 'C').

The Technical bid along with other documents shall also contain proforma for Technical evaluation, which shall be duly filled. The price bids of only technically qualified bidders shall be opened and others shall be rejected.

KIOCL Ltd.'s decision on Technical evaluation shall be final and no correspondence shall be entertained in this regard.

Thanking you,

Yours faithfully,
For KIOCL LIMITED

(GAJANANA PAI T)
Deputy General Manager (Projects & PC)

Encl: As above.

TECHNICAL BID INDEX

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TECHNICAL BID

PROFORMA FOR TECHNICAL EVALUATION OF BIDDERS

The agencies who are sending their letter of expression must furnish following details along with documentary evidence of their claims. However, any surrogated submission in any form will disqualify them from consideration.

Generic

Name of the Agency	Postal Address	Communication Address	Contact Person	Emergency contact mode/No

Specific

Sl. No.	Description	Minimum Required
1.	Highest value of having successfully completed similar work during last six years ending 31 March 2010 (i.e, 2004 - 2005 onwards). Similar work means civil maintenance/ construction work carried out in Process Plants/Industries. Note: For works carried out in KIOCL Ltd., work order copies are to be enclosed. For works carried out in other place/s, work completion certificate should be furnished.	a) Two (2) similar completed works costing not less than the amount Rs. 5.00 lakhs each (rupees five lakhs only) OR b) One (1) similar completed work costing not less than the amount Rs.9.00 lakhs (rupees nine lakhs only)
2.	Provident Fund Account No. (mandatory)	
3.	PAN No. (mandatory)	
4.	ESI No. (mandatory)	
5.	Service tax registration no.	
6.	Ownership of the firm; whether the firm is proprietary, partnership or company. In case of partnership or company, the details of partnership/company along with agreement copies and the authorised signatory on behalf of the firm should be furnished.	

CONTRACTOR

OWNER

KIOCL LIMITED.
(A Govt. of India Enterprise)
PANAMBUR, MANGALORE – 10

No.PROJ/TC/5232

Dt.: 11.08.2010

Dear Sir(s)

Sub: Tender for Annual contract for civil maintenance works in Pellet Plant Unit,
KIOCL Limited, Panambur, Mangalore.

1. Bid documents for the above work are enclosed herewith.
2. Sealed bids will be received upto 15.00 Hrs. on 21.08.2010 at the office of Contracts Section of Projects Department, KIOCL Limited, Panambur, Mangalore – 10. Bids received late are liable for rejection.
3. Bidders shall abide by all the details of “Instruction to Bidders” enclosed with the tender documents. The sealed bids shall be submitted in two separate sealed covers – (1) Technical bid and (2) Price Bid and each sealed bids shall be superscribed with the respective subjects and shall be addressed to DGM (Projects & PC), KIOCL Limited, Panambur, Mangalore – 575 010.
4. The Technical Bid shall be accompanied by an Earnest Money Deposit (EMD) of Rs.20,000.00 (Rupees Twenty thousand only) to be deposited in the form of a Demand Draft from a Scheduled Bank drawn in favour of KIOCL Ltd., Panambur, Mangalore.
5. EMD shall be adjusted to the Security Deposit in the case of successful bidder. However, the same shall be returned to the unsuccessful bidders immediately after the award of work to successful bidder.
6. Acceptance of the bid will be intimated to successful bidder through a letter enclosing the copies of the Letter of Intent (LOI) and this letter will be treated as authorization for award of work. The bidder shall sign the said copies of LOI and send to the owner within five days from the date of receipt for formal signature and issue of the same. In the event of failure on the part of the bidder to sign and return the LOI within the specified time, the EMD shall be liable to be forfeited at the sole discretion of the owner.
7. The time of completion of all works under this contract shall be ONE YEAR from the date of issue of Letter of Intent.
8. The successful bidder shall be required to execute an agreement within the time specified in the Letter of Intent.
9. The Company reserves the right to reject any or all the tenders without assigning any reason.

Thanking you,

Yours faithfully,
for KIOCL LIMITED

Encl: Bid documents.

Deputy Genenal Manager (Projects & PC)

KIOCL LIMITED.
(A Govt. of India Enterprise)
PANAMBUR, MANGALORE – 10

No.PROJ/TC/ 5232

Date: 11.08.2010

TENDER FOR ANNUAL CONTRACT FOR CIVIL MAINTENANCE WORKS IN PELLET PLANT UNIT, KIOCL LIMITED, PANAMBUR, MANGALORE.

A. INSTRUCTION TO TENDERERS

1. The Technical Bid should accompany EMD of **Rs.20,000.00** in the form of Demand Draft drawn in favour of KIOCL Limited, Panambur or by Cash Deposit in Company's Accounts Department.
2. Tender will be received up to 3:00 P.M. on 21.08.2010
3. Tenderers have to acquaint themselves with the conditions prevailing at site, before submitting the tenders.
4. Tenderers shall furnish their quotation in the 'Form of Bid' enclosed to the Price-bid documents for Annexure 'A' & 'B'. The quotation for Annexure 'C' shall be furnished in the schedule of work for Annexure 'C'. Quotations should be written in both words and figures.
5. Owner/Engineer reserves the right to reject any or all tenders without assigning any reason.
6. Owner/Engineer reserves the right to award part of the work or the whole, as may be considered necessary.
7. Tenders received late are liable for rejection.
8. Tenders submitted without EMD will not be considered.

B. TERMS AND CONDITIONS

1. The work shall generally be governed by KIOCL Ltd's General Conditions of Contract, which is available for reference in Projects Office on all working days.
2. Scope of work in this contract broadly covers the following.
 - (a) **As per special conditions of contract enclosed.**
3. The quantities given in the schedule of items are approximate and may vary some of the items or may not be executed. No claim by the contractor on account of variations, omissions and modifications will be entertained.
4. No escalation is admissible on any account whatsoever.

5. MATERIALS

- (a) Cement required for the work be made available by the Owner/Engineer on free of cost basis. Cement shall be issued to the Contractor at Owner's Stores to the extent of 105% of the theoretical consumption based on CPWD constants. Any over issue shall be recovered from the contractor at twice the issue rate. The decision of the Engineer in this regard shall be final and binding upon the contractor.
 - (b) Cement will not be issued to brought out items like Terazo tiles, Hume pipes and other similar items.
6. (a) Power if required for construction work will be made available by Owner free of cost at one point. Contractor has to make arrangements for the distribution lines at his cost. All other facilities required for the work shall have to be made by the Contractor at his cost.
- (b) Water required for the work will be made available free of cost at one point.
7. Land at the site of construction, if available, shall be made available free of charge for construction of Contractor's site office/stores if required.
8. All the materials and workmanship shall conform to CPWD specifications unless otherwise specified.
9. Rejected materials shall be removed and the rejected works shall be dismantled and redone at Contractor's cost.
10. Mode of measurements for the work shall be as per IS-1200 latest edition unless otherwise specified for items not covered in IS-1200, CPWD standard shall be adopted.
11. Rates quoted against schedule items shall include all materials, labour, machinery expenses and hire charges, taxes, royalties, transport, maintenance incidents, enabling works etc. based on the conditions mentioned herein, except service tax. Service tax if applicable shall be reimbursed based on proof of payment. Unless otherwise specified in the tender schedule the rates for all items will be deemed to include all leads, lifts and decents in the work.
12. The work executed shall be maintained in good condition for a period of **six months** from the date of completion including repair required if any at contractor's cost. If the contractor fails to fulfill his obligation during the maintenance period, the same shall be got done by the owner at contractor's risk and cost.
13. During the execution of the work, on account payment will normally be arranged once in fortnight. But no claim on this account will be entertained, if for any reason payments are not made so.
14. 5% of the value of work shall be deducted as security deposit and retained till the completion of maintenance period as applicable.

Initial Security Deposit of 3% of the value of work shall be adjusted immediately after the placement of order. EMD shall be adjusted against the initial Security Deposit. The balance 2% shall be recovered from each running bill. The Security Deposit shall be refunded after successful completion of maintenance period.

15. Any damage to the company's property caused by the contractor during the execution/maintenance of work, shall be charged to the contractor and the amount of damage shall be left to the sole discretion of the Engineer.
16. Statutory deduction towards all applicable taxes shall be made as per rules.
17. Royalties if any for materials applicable shall have to be paid by the contractor.
18. All safety appliances like safety belt, helmets etc. have to be provided by the contractor to all his workers and supervisors. None of the workmen without safety appliances shall be allowed to work at heights.
19. The contractor shall abide with all the provisions contained in Factories Act and Rules/Regulations/Bylaws/Orders made thereunder.
20. The contractor should obtain Insurance Policy to cover the risk of the labourers under Workmen Compensation Act and should be produced before starting the work.
21. Contractor should furnish the PF code number obtained from the authorities of Regional Provident Fund Commissioner along with the technical bid.
22. The contractor and his workmen may avail the facilities provided in the canteen set up for the contract labour, they will not be allowed to avail the facilities set up for KIOCL Ltd. employees.
23. Time of completion and Liquidated Damages:

The entire work under this Contract shall be completed within **ONE YEAR** from the date of issue of Work/Repair/ Maintenance Order. If the contractor fails to complete the work within the stipulated completion time, the contractor shall pay to owner as liquidated damages for such default, for every day which shall elapse between the date prescribed thereof and the actual date of completion of the scope of work, the amounts determined on the basis of the percentage of the value of the work as specified herein.

Delay of 1st 20 days 0.1% per day

Delay of next 20 days 0.15% per day

subject to a maximum of 5% of the value of the work. The Owner/Engineer has the discretion to reduce or waive the Liquidated Damages.

24. Our Company comes under the Factories Act, Rules, Regulations, byelaws and orders made thereunder. Hence the Contractors must abide by the same.
 - (i) No persons shall be employed without Initial Training on Safety as per vocational Training Rules.
 - (ii) Contractor must immediately after deploying the Contract Workers, get their Initial Medical Examination done at Company Hospital/Company recognised Hospital. The expenditure towards Medical Examination of Contract Workers shall be borne by KIOCL Ltd.

(iii) A supervisor with experience should be deployed to ensure that the contract workers work safely and in accordance with all the provisions of Factories Act, Rules, Regulations, Byelaws and orders made thereunder.

25. The Contractor shall be responsible for all the safety measures as per the rules in the interest of safety of all the labourers working under him. Necessary safety appliances shall be provided to all the labourers at Contractor's cost.

Wherever it is observed that the contractor has not provided safety appliances to the workers engaged by him, the Management reserves the right to issue the necessary safety appliances to his workers on cost recoverable basis.

26. The contractor shall disburse the wages to the labour on or before 7th of the following month and furnish copy of wage register, muster roll along with the bill. PF & ESI challans shall be submitted to Personnel Department on or before 25th of the following month.

27. OBLIGATIONS OF THE AGECCNY/CONTRACTOR WITH REGARD TO STATUTES:

The Agency shall be solely responsible as regards salary, wages and service conditions and terms extended by the Agency to his employees/workmen and shall in that connection maintain requisite records and comply with all laws, enactment, rules and regulations and orders dealing with employment of contract labour, payment of workmen's compensation, contribution under ESI Act, 1948, if applicable, and PF/EPF Act 1952, payment of minimum wages, payment of bonus, fire and safety regulations, regulations relating to employment of female workforce, security requirements and such other and regulations as may be applicable at present made applicable hereafter. The wages prescribed by the appropriate Government under the Minimum Wages Act, 1948 and all provisions of the Contract Labour Regulation Act and Factories Act shall be complied with by the Agency. Agency shall insure all employees for accidents and third party losses and produce the policy before commencement of Contract. All employees of the Agency shall be covered under Workmen Compensation Insurance and Group Accident Insurance cover, by the Agency.

28. INDEMNIFICATION:

The Agency shall indemnify and keep indemnified the Company from and against all actions, claims, demands and/or liabilities whatsoever arising out of this agreement or consequent upon breach of any of provisions of this agreement and/or against any claim, action or demand by any of the Agency's Employees, person(s), firms, institutions under any law, rule or regulation having the force of law, including but not limited to, claims against the Company under Workmen's Compensation Act, 1923. The Employees State Insurance Act, the Employees Provident Fund Act, 1952, The Contract Labour (Abolition & Regulation) Act, 1970 and the Minimum Wages Act, 1948 and any amendments thereto.

29. The Bids shall be valid for a period of three months from the due date of submission of the bid.

CONTRACTOR

OWNER

SPECIAL CONDITIONS OF CONTRACT

- 1.0 These special conditions of contract and other contract documents are complimentary to and shall be read in conjunction with each other. Provisions in these Special Conditions of the Contract shall be deemed to take precedence over General Conditions of the Contract and other documents, wherever at variance.
- 1.1 SCOPE OF WORK: Scope of work in this Contract broadly covers the following:
- (a) Annexure “A” - Miscellaneous type of civil maintenance works, repairs, newly proposed floorings, laterite/stone/brick walls, foundations, earth work, PCC/RCC, plastering, joinery, roof works and aluminium works etc.
Water supply, sanitary and plumbing works (both maintenance and connected new works of pipeline, jointing etc.).
Emergency white washing/colour washing and paintings etc. and towards unforeseen works.
 - (b) Annexure “B” - Supply of building/construction materials and hardware etc
 - (c) Annexure “C” - Supply of labour like mason, chippers, carpenters, mazdoors, plumbers, painters, and tree cutters on as required basis throughout the period of contract.
- Note: (i) Periodical services like white/color washing, distempering, snowcem and painting of door/window/ ventilators etc. are not covered under scope of work of this tender. However, in contingencies, small amount of work of this nature shall be ordered on contractor during currency of contract.
- 1.2 EVALUATION OF PRICE BIDS: Based on the rates indicated in the Schedule of Items (Annexure A), the estimated amount for one year period is Rs.3,70,000.00 and for supply of materials (Annexure B) for one year period is Rs.42,000.00 . The price bids will be evaluated by multiplying the percentages quoted by the bidders in Form of Bid for Annexure A & B to the estimated amount indicated above and adding the total amount arrived for (*) labour supply in Schedule of Work (Annexure C). The total amount thus arrived will be form the basis for arriving relative position of bidders.
- (*) Rate considered for the category of the labour supplied shall be as on 01.04.2010 minimum wages. If minimum wages are revised by the authorities during the tenure of the contract, the same shall be revised as per Clause 1.3
- 1.3 In case of revision of minimum wages by the Govt. during the tenure of the contract, the difference in minimum wages will be worked out as revised minimum wages plus 18.36% (PF @ 12%, Administrative charges @ 1.61% and ESI @ 4.75%) on revised minimum wages 20.14% on minimum wages as per contract or service charge as per the contract, whichever is lower. In case, the sum so arrived is more than the manday wages as per the contract, such difference will be paid from the date of revision of the minimum wages. In case the sum so arrived is less than the manday wages as per the contract, 18.36 % of the enhanced minimum wages will be paid extra from the date of revision of minimum wages. It shall be ensured that higher the minimum wages, higher/equal shall be the manday wage.

- 1.4 The Contractor shall carry out and complete the works within the area of work in every respect in accordance with this Contract and with the directions and to the satisfaction of the Owner. The works shall be carried out by the Contractor as and when ordered by the Owner on the basis of specific Job orders. Contractor shall not take any work without the written instructions of DGM (Projects & PC) or his authorised Officer. The Owner in his absolute discretion, from time to time may issue drawings and or written instructions which are hereafter collectively referred to as "Owner's Instructions" in regard to:
- (a) The design, quality, quantity of works or the additions, omissions or substitution of any work
 - (b) Any discrepancy in the drawing or between the Schedule of quantities and/or drawings and/or specifications.
 - (c) The removal from the site of any materials brought thereon by the Contractor and the substitution of any other material thereof.
 - (d) The dismissal from the work of any person employed thereupon.
 - (e) The removal and or re-execution of any works executed by the Contractor.
 - (f) The opening up for the inspection of any work covered up.
 - (g) The amending and making good of any defects found during and after execution within the defects liability period, which shall be reckoned as 30 days from the completion of each Job order and two months from the final completion of contract.

The Contractor shall forthwith comply with and fully execute any work comprised in such Owner's instructions provided always that verbal instructions, directions and explanations given to the Contractors or his representatives upon the works by the Owner shall, if involving a variation, be confirmed in writing by the Contractor within 3 days, and if not dissented from in writing shall be deemed to be Owner's Instructions within the Scope of Contract.

- 1.5 The Contractor shall guarantee that all materials and workmanship shall be in accordance with the standard specification/CPWD/PWD specification/latest Indian Standard Specification.
- 1.6 Water and Electricity as available may be supplied by the Owner at the location(s) as and when available. The Contractor shall make his own arrangement for distribution line to the place of working at his own cost. Supply of water and electricity cannot be guaranteed by KIOCL Ltd. and no claim on these accounts will be acceptable by Owner.
- 1.7 The Contractor shall abide by the Security regulations promulgated from time to time. The workmen shall confine themselves to the area of work allotted. Works in electrical substation etc. shall be under taken with specific permit and shut down arrangements. Any delay and stoppage of work due to non-observance of security rules shall not entitle the Contractor for any claims or compensation arising hereof from KIOCL Ltd.
- 1.8 Contractor shall provide necessary safety appliances to the workers and shall abide by safety rules applicable in factory premises.
- 1.9 The Contractor shall abide by Contract Labour Regulation and Abolition Act and Minimum Wages Act.
- 1.10 The Contractor shall submit the daily labour report in prescribed format. The Contractor shall also maintain the labour payment record, which should be made available for inspection as and when required.
- 1.11 The Contractor shall clear all materials and debris arising out of his scope of work and leave the area clean after completion of each job.

1.12 Cement

- (a) Cement required for the work to an extent of 105% of the theoretical consumption shall be issued by the department at KIOCL Ltd. Central Stores/Ware House, Panambur on free of cost.
- (b) Transportation, loading and unloading etc. from KIOCL Ltd. Central Stores/Ware House, Mangalore to various work spots should be done by the Contractor at his own cost. Surplus cement, if any, over the theoretical consumption + 5% wastage shall be returned by the Contractor to KIOCL Ltd's Central Stores at his own cost.
- (c) Cement issued by the Department shall only be used in the works and no cement shall be brought from any other source without the permission of the Department.
- (d) Cement will be issued to the Contractor only after construction of Stores shed and proper watch and ward arrangements.
- (e) For purpose of accounting cement issued, norms specified in CPWD latest edition shall be adopted. The Contractor at his own cost should arrange to return the surplus cement i.e. in excess of the theoretical consumption plus 5% wastage.
- (f) For surplus cement not returned to KIOCL Ltd's Central Stores/Ware House, Mangalore, Contractor shall be charged at the actual cost at site plus 100%.

1.13 Works carried out by the Contractor will be measured as and when they are completed. Payments for the completed work under each Job orders shall be made normally once in every fifteen days. It is Contractor's responsibility to submit the bill of work carried out by him during the period. However, no claim whatsoever will be entertained in case of delay in payment.

1.14 The period of contract shall be ONE YEAR. Each job ordered, under this contract, shall be executed within the time limit specified in the Job ordered.

1.15 The Contractor shall have sufficient stockpile of materials to take jobs of emergent nature ordered by the department on urgent basis.

1.16 The Security Deposit will be released after the completion of final defects liability period/Maintenance period

1.17 Contractor shall undertake all such jobs which are ordered during the currency of Contract but whose physical completion may spill over beyond contract period.

1.18 If the Contractor fails to complete the job within the stipulated time, KIOCL Ltd. shall be at liberty (after giving a notice of seven days) to get the job done through any other agency at the risk and cost of the Contractor. This is applicable for normal jobs. In the case of emergent jobs, if the Contractor fails to make immediate arrangements as requested by the department, the department is free to engage the required skilled/unskilled labour and materials to get the work done and the differential cost will be recovered from the Contractor.

1.19 TESTING CHARGES: If any tests are required to be carried out in connection with the execution of the work, the same would be arranged and got done by the WNER. The cost of such tests shall be borne by the Owner. However, the cost of such tests whose results are not in conformity with the specifications, shall be borne by the Contractor.

1.20 EXTRA WORKS

- a) The rates for extra works shall be determined as set forth hereinafter in consultation with Owner. If the rates for extra work are not specifically provided for in the contract, the rates will be derived by Engineer from the rates of similar items/clauses for works as are specified in the Contract. The decision of Engineer in this regard shall be final and binding on and conclusive to parties. In the absence of similar items of work, the rate for extra work/item shall be established by Engineer on the basis of inputs and its cost as determined by Engineer, plus 15% towards contractor's overheads, profits etc. The items/materials for maintenance works which are not in stock shall be procured by the contractor and payment shall be made on actual cost plus 15% for overheads and contractors profit on production of invoices and certification by Engineer-in-charge.

1.21 TAXES & DUTIES: This clause shall be applicable not withstanding any other clause related to taxes & duties mentioned elsewhere in this tender document:

- (a) This contract is deemed to be a works contract. The rate quoted shall be inclusive of all taxes applicable for this work except Service Tax.
- (b) The applicable service tax will be reimbursed on production of proof of remittance of Service Tax as per Rule 6(1) of Service Tax Rules for those contractors who do not have Service Tax Registration number.
- (c) For contractors who are having Service Tax registration no., the Service tax will be paid extra based on claim of the contractor. However, the contractor shall produce a copy of half yearly return of Service tax filed at the office of the Superintendent of Central Excise. The final bill/SD will be released after production of the copy of half yearly return.

1.22 ADDITIONAL CONDITION

Any of the additional terms and conditions agreed upon between the Owner and the Contractor shall also form part of this agreement.

1.23 Payments shall be made on electronic mode. Contractor shall furnish the required bank details to affect the electronic mode of payment.

Name of the Bank :
Branch :
Type of Account (Savings/Current) :
Account Number :
MICR Number :
Branch Code :

CONTRACTOR

OWNER

TECHNICAL SPECIFICATION AMPLIFICATION OF SCHEDULE

1. EARTH WORK

- (a) Item No.2 in Section 1 under Annexure A pertains to excavation of trenches, foundations, column footings for pipe laying, cable laying. The width of the trench does not exceed 1.5 M. The disposed earth as directed should be leveled and sloped.
- (b) General Specification:
 - i) Before commencement of excavation in trenches or over areas, the site shall be cleared off shrubs, bushes and small trees not exceeding in 15 cm in girth measured at 1 M above ground level and of rubbish removed.
 - ii) The contractor shall provide adequate timbering/shoring, if so, indicated by the Engineer In-charge. The timbering should be sufficient strength to resist earth pressure and ensure safety from slips, damage to property or injury to person.
- (c) Tell-tale
Tell-tales or deadmen shall be left in position indicated by the Engineer In-charge at sufficient intervals to permit to carry measurements to be taken of the excavation performed. Such tell-tales shall not be tampered with or removed without prior permission of the Engineer In-charge. In return filling in and ramming excavated spoils into trench, the finest spoil shall be selected and carefully filled with course materials before filling in the fine spoil.

2. Concrete

- (a) All concreting works should be done using standard materials like cleaned hard granite aggregate, clear river sand, portland cement in bags and clean water. All concreting kept mixed and compacted unless otherwise stated for load bearing structures like columns, beams etc. where concreting needs to be mixed in a mixture and compaction has to be done by means of mechanical vibrators.
- (b) All concrete should be mixed on hard waterproof platform. The volume of concrete mix should be only to the extent of requirement and should be placed in position within 30 minutes of water mixing. No set concrete shall be mixed with fresh concrete.
- (c) Shuttering/form work are included in the rates for concreting works.
- (d) Reinforcement shall be measured separately and paid for under separate item in Section for steel work.
- (e) All concrete work shall be kept moist, wet with wet gunny bags or by continuous sprinkling of water or covering with hay so that the concrete can be wet during the hardening period for a period of seven days.
- (f) In IPS concreting for floors it should be laid in panels in alternate days not exceeding 1 Sq.M including providing glass, raft paper in the shrinkage joints.

3. Masonry

- (a) Size stone masonry is to be built from foundation, plinth, super structure and column etc. including scaffolding, staging in all heights including watering and curing. All stones shall be sound, durable and free from defects like cavities, glassflawms, sand holes, injurious veins, patches of loose material etc. as far as possible. Stone shall be uniform colour and structure. Proper scaffolding shall be provided to allow easy approach to every part of the work. Scaffolding shall be strong enough to withstand all loads. Scaffolding holes shall be made good as soon as the scaffolding is removed.
- (b) Laterite stone shall be hard, sound and free from white clay/calcium deposit. Dressing shall be done with chisel to meet the requirement of one time dressing.

- (c) Cement mortar shall be mixed thoroughly on hard and impervious platform. All vertical joints in masonry shall be filled and tampered properly.
- (d) Curing shall be carried out for seven days.

4. Brick Masonry

Brick masonry in cement mortar includes work in foundation plinth and super structure and also including scaffolding and staging at all heights. Brick should be soaked in water for a period of two hours before use. Under burnt rain spotted and damaged bricks should be removed from the stack and should not be used. Brickbats or half bricks should be used only in closes, quoins to the minimum. While laying the masonry, bricks should be placed with frogs up. Scaffolding holes should be properly plugged with bricks and cement mortar. Brick shall conform to 35 Grade, locally best available one.

5. Plastering

- (a) Before plastering, all the joints should be raked down to a minimum depth of 10 mm. The surface should be wire brushed to clean of all mortar stacking, wetted with water and plastering or pointing shall be done subsequently. Plastering shall be at all heights and levels including scaffolding, staging and curing for a period of seven days completely.
- (b) The above workmanship specification apply to the pointing also. Mortar for plastering or pointing shall be prepared on a watertight clean platform and should be used within 30 minutes after the mix is prepared with water.

6. Painting, distempering, snowcem and white/colour washing

- (a) For white washing, shell lime of best quality, boiled in hot water to form a fine paste, sieve to remove cinder and under burnt materials and mixed with robin blue to the required shade. Gum Arabic shall be mixed at the rate of 10 % by weight.
- (b) Preparation of surface: The surface to be white washed should be thoroughly cleaned, brushed for removing the dirt, cobwebs, smoke, soot and other deleterious materials. The white wash should be applied with brushes with vertical and horizontal strokes to give an even shade. Second coat of white wash wherever specified shall be applied only after written permission and certification by the Engineer In-charge. The rate quoted for white wash includes cost of scaffolding, staging etc. for all heights complete.
- (c) While applying white wash, care should be taken not to cover the painted and polished areas, wood work, electrical fittings, meter boards etc. and exposed cement works. The lime water dropping should be thoroughly cleaned at all places.
- (d) For preparing colour wash, the solution paste is similar to white wash (except admixture of robin blue colour as specified above) using lime fast pigments.
- (e) In particular shade the total volume of solution required should be prepared at one stage to avoid variance in the shade when applied on the walls.
- (f) The contractor shall bring the distemper of approved manufacturer and standard make. The preparation of surface before applying the distemper shall be as detailed in Para above.
- (g) Cement paint should be of brand Snowcem or Deurocem or Supercem of standard approved make.

- (h) Cement paint should be prepared in proportion and consistency as specified in the manufacturer. The surface on which cement paint to be applied should be cleaned thoroughly wetted with water and cement paint shall be applied in vertical and horizontal strokes with hard brushes. The work should be undertaken on the shady side of the building. Cement applied surface shall be cured with water spray for a minimum period of three days.
- (i) Before applying the plastic emulsion paint the surface shall be thoroughly brushed free from dirt, grease motor, dropping and other foreign materials. All loose pieces and scales shall be removed by sand papering and the surface shall be cleaned thoroughly. Where heavy scaling has taken place, the entire surface shall be scrapped by means of steel scrapers so as to remove all accumulated plastic emulsion paint leaving clean surface.
- (j) All necessary nails shall be removed, putting in plaster shall be made good with Plaster of Paris. The surface shall thus be rubbed again with fine grey sand paper and made smooth.
- (k) Wherever second coat is applied, the first coat shall be allowed to dry thoroughly.
- (l) Enamel Painting: The materials required for the execution of painting works shall be obtained directly from the approved manufacturer and brought to the site in makers drum etc. with seals unbroken. All materials actually not in use shall be kept properly protected. Lids of the containers shall be kept closed and the surfaces of paint are open or partially open and the containers cover shall be mixed with a thin layer of turpentine to prevent formation of skin. Materials, which have become stalls or fat due to improper and long storage, shall not be used. The paint shall be stirred thoroughly in containers before pouring into small containers. While applying also the paint shall continuously stirred in the small containers.
- (m) No left over paint shall be put back into stock tins. When not in use the container shall be kept close. The surface to be painted shall be thoroughly cleaned and dusted all rust, dirt, smoke and grease shall be thoroughly removed before painted is started. No painting on exterior or other exposed parts of the work shall be carried out in wet, humid or otherwise unfavorable weather and all the surfaces must be thoroughly dried before painting works are started. The brushing operations are to be adjusted to the applying capacity advised by the manufacturer of the particular paint. The crossing and laying consists of covering the area over the paint, brushing surfaces hard for the first time over and brushing alternatively in opposite direction two or three times and then finally brushing little in a direction at right angles to the same. In this process no brush mark shall be left after laying of the finished coat. Each coat of painting shall be allowed to dry completely and lightly rubbed. Brushes, sand papers and loose particles brushed of before next coat is applied. Each coat shall be got approved from Engineer in Charge before next coat is started. No hair marks from the brush or clogging of paint puddles in the corner of panels angle of mouldings shall be left on the work.

In painting doors and windows, the putty round the glass pane shall also be painted. But care shall be taken to see that no paint strain on glass. Top of the shutters and surface in similar hidden location shall not be left out in painting.

- 7. Labour supply consists of skilled labourers like mason, carpenter, plumber, painter, welder and chippers etc. Only qualified and well-experienced skilled workers shall only be supplied on manday basis.

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PRICE BID**SCHEDULE OF WORK**

Sl. No.	Description of item	Unit	Rate (Rs.)
	<u>SECTION - I EARTH WORK AND DISMANTLING WORK</u>		
1.01	Excavation in ordinary soil for foundation, depth not exceeding 1.50 Mtr. and getting out and stacking the excavated earth up to a distance of 50Mtr	Cu.M.	85.50
1.02	Same as 1.00 but in hard soil.	Cu.M.	119.50
1.03	Add for every 1.00 Mtr. extra depth over and above initial depth of 1.50 Mtr. for item No1.00 and 2.00	Cu.M.	9.00
2.00	Back filling of excavated earth in foundations in layers of 15 CM. well watering and ramming etc. complete.	Cu.M.	69.00
3.00	Dismantling of concrete surface in floors, kerbs and plain cement concrete slabs etc. by chiseling and removal of debris to a distance of 100 Mtr. compressor air if available will be provided at free of cost.	Cu.M.	1200.00
4.00	Dismantling of brick/laterite masonry wall in any height etc. built in cement mortar and stacking the brick/ laterite stone properly and removing of debris to a distance of 100 Mtr	Cu.M.	139.00
5.00	-do- granite stone masonry and -do-.	Cu.M.	146.00
	<u>SECTION - 2 CONCRETING WORKS</u>		
1.00	Material and labour for plain cement concrete in foundation, beds, floors etc., using 40/ 20 mm down graded stone aggregate including shuttering and curing etc., complete in PCC 1:4:8	Cu.M.	2490.00
2.00	-do- in PCC 1:3:6.	Cu.M.	2580.00
3.00	-do- in PCC 1:2:4.	Cu.M.	2616.00
4.00	Material and labour for reinforced cement concrete in CC 1:2:4 in lintel, chajja, slabs, flooring etc., using 20 mm down graded stone aggregate including necessary shuttering and curing etc., complete (steel reinforcement is measured and paid separately).	Cu.M.	3935.00

Sl. No.	Description of item	Unit	Rate (Rs.)
	<u>SECTION - 3 STONE MASONRY WORK</u>		
1.00	Material and labour for random rubble granite stone masonry and proper bond stones scattered all as specified including curing etc., complete in any height in CM 1:6	Cu.M.	1275.00
2.00	Material and labour for coursed laterite stone masonry at any height including necessary scaffolding and curing etc., complete in CM 1:6	Cu.M.	2272.00
3.00	Material and labour for providing hard core under the floors aprons and hard standing for Roads etc., using 75mm nominal size stone metal including cost of moorum, spreading leveling and compacting etc. as specified.	Cu.M	953.00
	<u>SECTION-4 - BRICK MASONRY WORK</u>		
1.00	Material and labour for providing brick masonry wall using 35 grade best available bricks at any height with necessary scaffolding, curing etc. in C.M. 1:6.	Cu.M	2643.00
2.00	Material and labour for providing half brick wall using 35 grade best available bricks at any height including scaffolding, curing etc. complete in CM 1:4	Sq.M.	295.00
	<u>SECTION - 5 - PLASTERING & POINTING WORK</u>		
1.00	Material and labour for cleaning, polishing of the existing mosaic flooring dado, skirting including application of washing soda/oxalic acid wash and final wax polishing etc., complete	Sq.M.	60.00
2.01	Material and labour for providing cement plaster to the laterite/brick wall and concrete surfaces at any height including curing etc complete 20mm thick in CM 1:6 in two layers	Sq.M	155.00
2.02	-do- 12mm thick in CM 1:6	Sq.M	121.00
2.03	Add to the above rates for work in repairs including removal of old plaster and raking joints etc. complete	Sq.M	13.00
2.04	Add for addition of 2% water proofing compound for 20mm thick plaster in CM 1:6	Sq.M	5.00
3.01	Dismantling the tile work in floor and roof laid in cement or surki mortar including stacking the material with in 50 m lead of tiles thickness 10 mm to 25 mm as per the directions of E-I-C	Sq.M	17.00

Sl. No.	Description of item	Unit	Rate (Rs.)
3.02	Providing colour glazed tiles of all sizes 6 mm thick for walls, treads of steps and landings laid on a bed of 12 mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of plastering, materials, labour, curing etc., complete as per specifications and the instructions of E-I-C	Sq.M	623.86
3.03	Providing Ceramic tiles of size 30 X 30 cms of approved make, shade, and size of flooring, treads of steps and landings laid on a bed of 12 mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing etc., complete as per specifications.	Sq.M	511.00
	<u>SECTION-6 PAINTING & GLAZING WORK</u>		
1.01	Material and labour for application of white washing using best shell lime including cleaning the surfaces and scaffolding etc. complete for one coat	Sq.M	4.50
1.02	-do- 2 coats	Sq.M	7.00
2.01	Material and labour for colour washing using approved colour pigments including cleaning the surface, scaffolding etc. complete for one coat	Sq.M	4.80
2.02	-do- 2 coats -	Sq.M	7.70
3.01	Material and labour for application of oil bound washable distemper including cleaning the surfaces thoroughly with sand paper and brushes, removal of deposit of ore, grease, oily surface, stains and application of one coat of distemper	Sq.M	18.00
3.02	-do- 2 coats of distemper	Sq.M	29.00
4.01	Material and labour for application of water proof cement paint (Snowcem)for exterior wall surface including cleaning scaffolding, curing etc. complete 1 coat	Sq.M	18.00
4.02	same as 4.01 but with one coat of primer	Sq. M.	27.20
4.03	same as 4.01 but with 2 coats.	Sq.M	40.00
5.00	Material and labour for application of french polish including preparation of old treated wood/plywood surfaces - 1coat	Sq.M	41.20
6.00	Material and labour for application of one coat of wood primer on newly prepared surfaces	Sq.M	20.80

Sl. No.	Description of item	Unit	Rate (Rs.)
7.00	-do- for application of redoxide primer on iron surfaces	Sq.M	18.90
8.01	Material and labour for application of synthetic enamel paint for already treated wood or steel surfaces including thorough preparation etc. complete 1 coat	Sq.M	44.60
8.02	-do- 2 coats	Sq. M	76.90
9.00	Material and labour for application of plastic emulsion paint on thoroughly cleaned wall surface complete in all respect one coat as per the direction of Eng-In-Charge	Sq.M	29.50
10.01	Material and labour for providing plain glass in window/door panes including removing the broken glasses and dried up putty/wooden beadings and fixing the new glasses with glazier paint/putty and wooden/rubber beading etc. complete for 4mm thick glass	Sq.M	650.00
10.02	-do- 5mm thick glass	Sq.M	750.00
10.03	All as in 10.01 above but for pin headed 4mm thick glass	Sq.M	575.00
	<u>SECTION -7 - STEEL AND IRON WORK</u>		
1.00	Labour for reinforced steel using CTD/Tor bars any dia above 6 mm including cutting, bending, cranking and binding with MS binding wire at any location all as specified	Kg.	11.00
2.00	Material and labour for supply and fixing of GI barbed wire 12 SWG, barbed with 14SWG barbs at every 100mm spacing to the fencing poles with required nibs, clips etc. complete	Kg.	70.00

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SUPPLY OF MATERIAL

Item No.	Description of item	Unit	Rate (Rs.)
1	Bricks well burnt 35 grade	100 Nos.	250.00
2	Laterite stones	100 Nos.	1420.00
3	Sand	Cu.M.	510.00
4	Red earth (For gardening)	Cu.M.	200.00
5	Stone aggregate of 10 mm to 40 mm	Cu.M.	1000.00
6	Stone (Quarry) dust.	Cu.M.	155.00
7	Wash basin of size 18" x 12" of approved make.	No.	510.00
8	Wash basin of size 22" x 16" of approved make.	No.	614.00
9	IWC 20" of approved make with 'P' trap.	No.	625.00
10	Foot rest	Pair	100.00
11	EWC of approved make with 'P' or 'S' trap.	No.	987.50
12	1/2 inch float valve with ball (Kohinoor make)	No.	225.00
13	1/2 inch PVC connecting pipe 2 feet length (Kohinoor make)	No.	60.00
14	Hydraulic Door Closer (Godrej Make)	No.	900.00
15	RCC Door frame with section size 3" x 4" and dimensions 2' 6" X 7' to 3' 6" X 7' without sill.	No.	850.00

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LABOUR SUPPLY

Sl. No.	Description of item	Unit	Qty.	Rate (Rs.) as per Min wages.	PF 12 % (Rs.)	PF Admn @ 1.61 % (Rs.)	ESI 4.75 % (Rs.)	Rate (Rs.)	Service Charges to be quoted by Agency (Rs.)	Total per man day(Rs.)	Amount (Rs.).
1	a) Mason	Man Day	280	248.00	29.80	4.00	11.80	293.60			
	b) OT Hours	Per hour	24	62.00	---	---	---	62.00			
2	a) Carpenter	Man Day	150	248.00	29.80	4.00	11.80	293.60			
	b) OT Hours	Per hour	24	62.00	---	---	---	62.00			
3	(a) Mazdoor (Male)	Man Day	2313	186.00	22.30	3.00	8.80	220.10			
	b) OT Hours	Per hour	74	46.50	---	---	---	46.50			
4	Mazdoor (Female)	Man Day	2533	186.00	22.30	3.00	8.80	220.10			
5	a) Plumber	Man Day	303	248.00	29.80	4.00	11.80	293.60			
	b) OT Hours	per hour	24	62.00	---	---	---	62.00			

Sl. No.	Description of item	Unit	Qty.	Rate (Rs.) as per Min wages.	PF 12 % (Rs.)	PF Admn @ 1.61 % (Rs.)	ESI 4.75 % (Rs.)	Rate (Rs.)	Service Charges to be quoted by Agency (Rs.)	Total per man day(Rs.)	Amount (Rs.).
6	a) Painter	Man Day	45	248.00	29.80	4.00	11.80	293.60			
	b) OT Hours	Per hour	24	62.00	---	---	---	62.00			
7	a) Chipper	Man Day	60	248.00	29.80	4.00	11.80	293.60			
	b) OT Hours	Per hour	65	62.00	---	---	---	62.00			
8	Tree cutter	Man Day	75	248.00	29.80	4.00	11.80	293.60			
										TOTAL	

(In words: Rs.

CONTRACTOR

OWNER

FORM OF BID

(To be filled in by the Tenderer)

To,
The Dy. General Manager (Projects & PC)
KIOCL Limited,
Panambur, Mangalore – 10.

Dear Sir,

Having examined and perused -

- i) KIOCL Ltd's General Conditions of Contract.
- ii) Instructions for tenderers, special conditions, technical specifications
- iii) Pre-priced Schedule of Work (Annexure 'A' & 'B')

I/We agree to perform such services and execute such works upon the terms and conditions contained or referred to in the aforesaid documents and upon the terms and conditions hereinafter contained as may be amended during the contract period of 12 months from the date of acceptance of this tender submitted by me/us at the rates contained in the aforesaid Schedule of Works and rates enclosed subject to the percentage quoted by me/us herein after: -

To the pre - priced Schedule of Work and rates which is enclosed –

For Annexure 'A'

*Add% (.....Percent) thereto

or

*Deduct..... % (..... Percent) thereto

For Annexure 'B'

*Add% (.....Percent) thereto

or

*Deduct..... % (..... Percent) thereto

*Contractor to insert here rate percent both in figure and words. If no percentage over/below schedule of rates offered 'Nil' should be inserted.

I/We hereby distinctly and expressly declare and acknowledge that before the submission of my tender, I have carefully followed the General Instructions and clearly understood all the conditions of contract. I have also seen the locations where the said works are to be carried out and made such investigations of the works carried out, in regard to the materials required to be furnished, as to enable me to complete the work successfully.

I/We enclose herewith Demand Draft No. dt. for Rs. (Rupees)
duly certified as good for payment as earnest money not to bear interest. Should this tender be accepted,
I hereby agree to abide by and fulfill all the terms and conditions annexured hereto. If I/We fail to
commence the work specified in the above Memorandum, I/We agree with that my earnest money shall
stand forfeited absolutely to the Owner, otherwise, the earnest money shall be retained in the above
Memorandum. I/We also agree to the balance retention money being deducted from my bills in
accordance with the conditions of contract.

I agree to keep the offer open for three months from the date of opening of tender. I/We am/are, Sir,

Yours faithfully,

Signature:

Address :

Date:

Signature of Witness:

Address :