

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

No.PROJ/TC/5212

Date: 29.07.2010

Dear Sir(s)

Sub: Tender for renovation of main canteen kitchen and construction of a rest room for
Canteen Staff in Pellet Plant Unit, KIOCL Limited, Panambur, Mangalore.

1. Bid documents for the above work are enclosed herewith.
2. Sealed bids will be received up to 15.00 Hrs. on 10.08.2010 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 marked “Tender for renovation of main canteen kitchen and construction of a rest room for Canteen Staff in Pellet Plant Unit, KIOCL Limited, Panambur, Mangalore.” shall be addressed to Dy. General Manager (Projects & PC), KIOCL Limited, Panambur, Mangalore – 575 010.
4. The Technical Bid shall be accompanied by an Earnest Money Deposit (EMD) of (*) Rs.10,000.00 (Rupees Ten thousand only) to be deposited in the form of a Demand Draft from a Scheduled Bank drawn in favour of KIOCL Ltd., Panambur, Mangalore.
(* Rs. 9,000.00 for registered contractors of PP Unit of KIOCL Limited, 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 FIVE MONTHS 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

Dy. General Manager (Projects & PC)

Encl: Bid documents.

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

No.PROJ/TC/5212

Date: 29.07.2010

TENDER FOR RENOVATION OF CANTEEN KITCHEN AND CONSTRUCTION OF REST ROOM FOR CANTEEN STAFF IN PELLET PLANT UNIT, KIOCL LIMITED, PANAMBUR, MANGALORE.

A. INSTRUCTION TO TENDERERS

1. The Technical Bid should accompany EMD of (*) **Rs.10,000.00** in the form of Demand Draft drawn in favour of KIOCL Limited, Panambur, Mangalore.

(*) Rs. 9,000.00 for registered contractors of PP Unit of KIOCL Limited, Panambur, Mangalore

2. Tender will be received up to 3:00 P.M. on 10.08.2010
3. Tenderers have to acquaint themselves with the conditions prevailing at site, before submitting the tenders.
4. Owner/Engineer reserves the right to reject any or all tenders without assigning any reason.
5. 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, all taxes (except service tax), royalties, transport, maintenance incidents, enabling works etc. based on the conditions mentioned herein, except service tax. Service tax if applicable shall be reimbursed as per clause (8) of Special Conditions. 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. Security Deposit: 10% of the value of work shall be deducted and retained till the completion of maintenance period as applicable. The mode of recovery of security deposit is as follows:

Initial Security Deposit of 3% of the value of work shall be recovered in the first running bill. EMD shall be adjusted against the initial Security Deposit. The balance 7% 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 have the PF code number and ESI code number obtained from the respective authorities and produce the same to Personnel Department before commencement of work.
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 **FIVE MONTHS** 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. 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.

27. 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.

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

CONTRACTOR

OWNER

Address:

SPECIAL CONDITIONS

1. The following items will be issued free of cost by KIOCL Limited
 - a) Cement
 - b) Structural Steel items
 - c) Reinforcement steel
2. Contractor shall make his own arrangements at the works spot for storing and safety of owner issue items.
3. Power and water required for the any of the enabling jobs connected with the above work, which will be carried out inside KIOCL Ltd's Plant premises, will be provided at one point on free of cost basis.
4. The sketch showing the proposed Canteen staff's rest room and canteen is enclosed for reference only (sketch to be obtained from Project dept., not uploaded in website).
5. The work has to be carried out as per the instruction of Engineer - in - charge.
6. Material wastage shall be considered as per General conditions of Contract of KIOCL Ltd.
7. Agency has to arrange welding generator, electrodes etc., required for successful completion of the work.
8. 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.
9. 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 (Current/Savings) :
 - Account No. :
 - MICR Number (9 digit No.) :
 - Branch Code :

CONTRACTOR

OWNER

SCHEDULE OF WORK

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
1	Cutting the trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps, roots stacking of serviceable materials with all lifts and a lead of 1000metres and earth filling in the depressions/pit etc. complete as per instructions of Engineer-in-charge.	No.	06		
2	Earth work excavation for foundation for buildings, water supply, sanitary lines and electrical conduits either in pits or 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 up to 50 m. after breaking of clods complete as per instructions of Engineer-in-charge.	Cu.M	120		
3	Providing hard core with stone boulders soling including laying, packing, filling, interstices with good quality spells, dry and wet mechanical means, binding with good quality mooram/sand with all bye works complete for soling up to 230mm thick below floor, foundation as per instructions of Engineer-in-charge.	CuM	25		
4	Providing and laying of in position plain cement concrete of 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, floor plinth and cills, including cost of materials, labour, HOM Of machinery, curing complete as per for instructions of Engineer-in-charge (excluding cost of cement)	Cu.M	29		
5	Providing and construction granite/trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammer dressed in courses not less than 20 cms height, bond stone at two m. apart in each course including cost of material, labour, curing complete as per for instructions of Engineer-in-charge (excluding cost of cement)	Cu.M	21		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
6	Back filling available earth (excluding rock) in sides of foundation, trenches floor area and out side the foundation up to plinth in layers not exceeding 20cms.in depth, compacting each deposited layer by ramming after watering with lead up to 50m. and lift up to 1.5m. including cost of all labour complete as per directions of Engineer-in-charge	Cu.M	80		
7	Transportation of excavated earth and concrete debris from the excavated area and disposal of the same within a lead of 1.50 kms including loading, unloading, tools and tackles etc., complete as per instructions of engineer-in-charge.	Cu.M	40		
8	Providing & laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine/hand mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation, plinth and cills, selses slabs including cost of all materials, labour, HOM of machinery, curing complete. as per the instructions of Engineer-in-charge. (excluding cost of cement)	Cu.M	08		
9	Fabrication of mild steel /HYSD 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 of good quality gauge including the cost of binding wire and anchoring to the adjoining members wherever necessary including all laps and wastages with all lead and lift charges etc complete (laps & wastages not to be measured & paid, excluding cost of reinforcement steel)	MT	02		
10	Providing and construction of Laterite size stone masonry including cost and conveyance of materials, scaffolding, curing etc. for superstructure C.M 1:6. as per the instructions of Engineer-in-charge.(excluding cost of cement)	Cu.M	48		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
11	Providing and fixing mesh above the wall, the mesh fixed in ISA 35 x 20 frame and mesh of 2cm square, including one coat of primer and one coat of approved quality of painting, including labour and material cost etc complete as per instructions of Engineer-in-charge	Sq.M	30		
12	Providing and laying flooring, machine cut single line dressed Granite stone slabs 40mm thick on cement mortar bed 1:6, 25mm thick, and pointed with CM 1:3 over existing cement concrete floor including cost of materials, labour curing complete as per instructions of Engineer-in-charge.	Sq.M	110		
13	Providing and fixing chequered mosaic tiles for flooring, 20mm thick, using marble chips of 7 to 10 nominal size laid on a bed of 12mm thick cement mortar 1:3 mix, and joined with neat cement slurry mixed with pigment to match the shade of tiles rubbing, polishing, oxalic acid wash, including cost of materials, labour, curing etc. complete, as per instructions of Engineer-in-charge. (tiles selection will be made with site in charge)	Sq.M	56		
14	Material and labour for providing false ceiling to the canteen hall made out of 20 mm thick plain thermocol sheets placed over ceiling grid of 500mmx500mm as a LAY IN PANEL by pasting with fevicol or equivalent on aluminium 'T' frame made out of 25mmx25mmx1.3mm with necessary equal border at periphery of the wall. The end frame shall be of 25mmx25mmx 1.3mm 'L' section fixed to the periphery wall by means of MS screws with PVC sleeves/rawl plugs aluminum main 'T' sections shall be hung from existing roof from to with GI bas of size 12mmx3mm of suitable length with suspended hangers through metallic fasteners at 45mm in one direction and 1200mm in other including fixing of suitable MS 'U' clamps over the thermocol sheets at 250mm C/C on all sides as per instructions of Engineer-in-charge	Sq.M	50		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
15	Providing and laying flooring with 1:2:4 cement concrete, 40 mm thick using broken granite metal of 20 mm and down size laid to line and level in one layer and finish with a floating coat of neat cement , including cost of materials, labour, curing, complete as per the instructions of Engineer-in-charge.(excluding cost of cement)	Sq.M	130		
16	Providing skirting, dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1;3 and jointed white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,etc. complete as per instructions of Engineer-in-charge	Sq.M	180		
17	Labour chargers for fabrication of any type of steel structures/steel door and erection at any height and location including cutting cleaning the member for erection of the fabricated items at suitable locations with proper fitment at any heights from owner supplied steel, and supply and application of one coat of primer and two coat of synthetic paint. And providing all tools & tackles, consumables like electrodes welding transformer etc. complete as per the directions of Engineer-in-charge. (excluding cost of structural steel)	MT	04		
18	Dismantling plastering and removing the debris with a lead up to 200m.	Sq.M	180		
19	Dismantling A.C. sheet roof and stacking the materials with in the company premises, as per instructions of Engineer-in-charge.	Sq.M	90		
20	Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm dia C.I plain and bitumen washers over the existing purlin and trusses including cost of materials, etc. complete as per instruction of Engineer-in-charge.	Sq.M	70		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
21	Providing 12mm thick plaster inside the wall in single coat with CM 1:6 to brick/literate stone masonry including rounding off corners wherever required sooth rendering, providing and removing scaffolding,, including cost of materials, labour, curing etc. complete as per instructions of engineer- in- charge. (excluding cost of cement)	Sq.M	90	Sl. No	Description of work
22	Providing 20mm thick plaster out side the wall in single coat with CM 1:6 to brick/literate stone masonry including rounding off corners wherever required sooth rendering, providing and removing scaffolding,, including cost of materials, labour, curing etc. complete as per instructions of engineer- in- charge. (excluding cost of cement)	Sq.M	80		
23	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming surface free from mortar drops clean of all dirt, loose pieces of scales including preparing the surface even and sand paper sooth, cost of materials, labour, etc complete as per instructions of Engineer-in-charge	Sq.M	720		
24	Providing and fixing in position anodized aluminium windows and ventilators with sliding shutters using double track window frame, section of size 61.85 x 31.75mm with 1.2mm thick, bottom section weight 0.695 Kg./M slides and top sections 1.3mm thick weight 0.659 Kg/M. and shutter comprising top and bottom of size 40mm x 18mm, 1.2mm thick 0.417 kg/M., shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/M, shutter interlock section 40mm x 26.7mm, 1.1mm thick, weight 0.469 kg/M. the shutters mounted on nylon rollers with	Sq.M	09		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
	approved quality of fixtures such as aluminium handles, tower bolts etc., and providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required Length, joints mitered subdividing the frame tenoned and rivetted in the assembled frame stiffened with end clips at corners angles etc. and fixed to the walls, lintels, 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 etc. as per instructions of Engineer-in-charge.				
25	Dismantling the tile work in floor laid in cement/ surki mortar including stacking the materials within 50 m lead etc, complete as per instruction o Engineer-in-charge.	Sq.M	80		
26	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to a distance up to 200 m etc. complete as per instructions of Engineer-in-charge.	Sq.M	85		
27	Removing and refixing anodized aluminium windows from existing wall to new wall up to a height of 4.0 Mtr with out damaging near by walls clearing of debris to a lead of 50 Mtr and leveling etc. complete as per instruction of Engineer-in-charge.	Sq.M	4.20		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
28	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests,100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fitting and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per instructions of Engineer-in-charge	Pan	01		
29	Providing and fixing white vitreous china clay, angle back wash basin size 600x480 mm with a single 15mmC.P brass pillar tap with C.I / M.S brackets, 32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per instructions of Engineer-in-charge	No	01		
30	Providing and fixing in trenches G.I pipes 25mm dia nominal bore with all fittings including cost of all materials, labour charges, HOM of equipments and testing complete as per instructions of Engineer-in-charge.	Mtr	15		
31	Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and with all leads etc. complete as per instructions of Engineer-in-charge.	No.	02		
32	Providing and fixing RCC precast door, window, ventilators (with steel rods and) frames including cost of materials, labour etc. complete as per instructions of Engineer-in-charge 1)Doors of size 1ME x 1.9 ME 1 No. & 1.2 ME x 2.1 ME 1 No. 2)Ventilator of size 0.9 ME x 0.6 ME with all fixtures	No. No	02 03		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
33	Providing and fixing in position fully paneled flush doors shutters including cost of materials, labour, etc. complete as per instructions of Engineer-in-charge. Doors of size 1ME x 1.9 ME 1 No. & 1.2 ME x 2.1 ME 1 No.	No.	02		
34	Constructing brick masonry circular type manhole 0.91m internal dia at bottom 1.68 m deep and 0.56 m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside and out side cement plaster 12 mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete 1:3:6 mix using 40mm and down size granite metal and making necessary channel in cement concrete 1:2:4 mx 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 1:2:4 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of machineries complete as per instructions of Engineer-in-charge.	No.	02		
35	Making connection of drain or sewer line of size 100 to 230 mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix 20mm and downsize granite metal, cement plastered on both sides of mix 1:3, finished with a floating coat of neat cement, and making necessary channels for the drain, including cost of materials, labour charges, complete as per instructions of Engineer-in-charge.	No.	03		
36	Providing and laying in position to required level and slope 200mm internal diameter stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost materials, labour charges complete, as per instructions of Engineer-in-charge.	Mtr	25		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
37	Providing and laying in position to required level and slope 150mm internal diameter PVC high density pipes with all materials for joining pipe to pipe and to manhole, including testing of pipes and joints, including cost materials, labour charges complete, as per instructions of Engineer-in-charge.	Mtr	40		
38	supply and fixing of door frame made of hallow extruded PVC section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/- 0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2 corners shall be metric cut/welded. Complete as per instructions of Engineer-in-charge.	Mtr	20		
39	Supply and fixing of door shutters made of rigid PVC extruded hallow section (Nandi or equivalent) of 120mmx200mm with the wall thickness of 1.0mm+/- 0.1mm equally divided in to 4nos with tongue and groove locking arrangements. The shutter frame is made of 58x24mm with the wall thickness of 1.5mm+/- 0.15mm section metricut and joined at 4 corners with 125mmx225mm plastic brackets. The shutter shall be horizontally reinforced with 2nos of 8mm PVC rods. teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter. Complete as per instructions of Engineer-in-charge.	Sq.M	08		
40	Dismantling cement concrete flooring, RCC slab, selves, or plain cement concrete work including removing and conveying the debris to a distance up to 200 m etc. complete as per instructions of Engineer-in-charge.	Cu.M	02		
41	Dismantling brunt brick/late rate masonry wall in cement mortar, and removing the debris to a distance up to 200m, as per instructions of Engineer-in-charge.	Cu.M	15		

Sl. No	Description of work	Unit	Qty.	Rate (Rs)	Amount (Rs)
42	Dismantling IWC with all connections and clearing the debris to a distance up to 800m as per instructions of Engineer-in-charge.	No	01		
43	Dismantling of existing false ceiling including frame and transportation of removed materials and stacking the same to the site shown by site in charge.	Lumpsum			
				TOTAL	

(Rupees:

CONTRACTOR

OWNER