

OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. Duliajan-786 602(Assam)

OIL INDIA LIMITED, a premier Public Sector Enterprise of Govt. of India engaged in drilling and exploration activities for hydrocarbon invites Sealed quotations under Single stage Two Bid tendering system from experienced and established firms / contractors meeting the requisite criteria for the under mentioned work.

Description of Works

Tender No.DCC5028P10

Construction of 24 units (4 blocks) BX – type quarters at CISF complex, Duliajan including internal electrification and supply of all materials except cement.

2.0 The interested contractors / firms should send the applications for issue of tender documents addressed to HEAD (CONTRACTS), OIL INDIA LIMITED, Duliajan-786602, District - Dibrugarh, Assam. Application may be sent by post. However, for the delay in receipt or non-receipt of the same, Head (Contracts) will not be responsible.

3.0 **Issue of Tender Documents**

Prescribed Tender Documents (non-transferable) are to be purchased from the office of HEAD (CONTRACTS), OIL INDIA LIMITED, P.O. DULIAJAN - 786602, within office working hours from 24th September to 13th October' 2009, on application along with non-refundable Tender Fee amounting to Rs.5000.00 (Rupees Five thousand only) through a Crossed Demand Draft / Banker's Cheque in favour of "Oil India Limited" payable at Duliajan. Applicant can also deposit the tender fee directly in UBI / UCO / SBI / ALLAHABAD / CANARA Banks (Duliajan Branch) and proof of such deposit must be furnished along with the application of tender documents. The details of tenders are available at Website www.oil-india.com.

4.0 **Eligibility Criteria**

Interested contractors / firms shall have to submit the following documents to qualify for opening of the Price Bid -

(a) Experience of having successfully completed similar works with CPWD, Railways, APWD, APPWD, MES, NRL, ONGCL, OIL or any other Government Organization / Public Sector Undertaking. The minimum value of contract job executed successfully during the last seven (07) years as on the last date of the month previous to the bid closing date:

One single contract job of value of Rs.116.50 Lacs

Or

Two contract jobs of value of Rs.73.00 Lacs each.

Or

Three contract jobs of value of Rs.58.00 Lacs each

(b) Average Annual Financial Turnover during the last three (03) years, ending 31st March 2009 should be at least Rs.43.50 Lacs. The proof of Annual Turnover should be either in the form of Audited Balance Sheet or Certification from Chartered / Cost Accountant firm along with Profit and Loss account indicating their membership / code.

(c) PF code number issued by the appropriate Govt. Authority or exemption certificate from the concerned authority or a declaration in stamped paper that provisions of the PF Act are not applicable to him / them and in case the PF is to be deposited later on, the same will be deposited by the bidder.

(d) PAN, VAT and Service Tax Registration number.

(e) Documentary evidence in support of sound financial standing and Bank Account number from any Nationalized Bank.

(f) Ownership in their own name / firm OR must produce an undertaking / affidavit from the owners for providing services of the following minimum numbers of equipment for satisfactory completion of location preparation jobs on stamped paper –

- | | | |
|------|--------------------------|------------------|
| (i) | Sump pump | Two (02) numbers |
| (ii) | Concrete mixing machine. | Two (02) numbers |

(g) All the certificates and documentary evidences submitted in support of paragraph 4.0(a), 4.0(b), 4.0(c), 4.0(d), 4.0(e), 4.0(f) above should be clearly legible and duly attested by gazetted officer along with official seal. This will be applicable for all contractors / firms including OIL Registered contractors. **illegible / Incomplete certificates or documents will not be considered for evaluation.**

(h) Company has the right to check the original certificates / documents at any point of time if desired and the required documents should be produced for authentication.

5.0 **Note:**

(a) “**Similar work**” mentioned in Para-4.0(a) above means the following:

(i) Construction RCC foundations, RCC buildings, Boundary walls, Bridges

(b) Documentary evidences of job experiences as stated above should be in the form of Completion Certificate(s) and should be supported with respective attested photocopies of Letter of Intent / Allotment letter/ Work-Order / Notice to Proceed work.

(c) Non-submission of the documents as specified in all the paragraphs above will result in rejection of bids.

6.0 **Ernest Money**

All tenderers shall deposit the requisite EARNEST MONEY of Rs.73,000.00 (Rupees Seventy three thousand only) along with the Un-priced Techno-Contractual part of the Tender Document in the form of Demand Draft / Banker's Cheque / Bank Guarantee in favour of Oil India Limited and payable at Duliagan. Earnest money can also be deposited in cash in favour of Oil India Limited directly in UBI / UCO / SBI / ALLAHABAD / CANARA Banks (Duliagan Branch) and proof of such deposit must be furnished along with the aforesaid tender document. Oil registered “A” class contractors need not deposit Earnest money. This Earnest money shall be refunded to all unsuccessful tenderers, but is liable to be forfeited in full or part, at Company's discretion as per clause below.

Tenders received without earnest money or inadequate amount or not in the manner specified above will be summarily rejected

7.0 Before submission of bids, the tenderer is advised to inspect the work site with permission from Head (Civil) or his representative, to assess the nature and extent of work and the conditions under which it will be carried out. He may also seek such clarification from this office as are deemed necessary.

8.0 No bidder shall withdraw the tender after its public opening. Any such withdrawal will make the tenderer liable to forfeit his Earnest Money in full and be debarred from further tendering at the sole discretion of the Company and the period of debarment in no case shall be less than 6 (six) months.

9.0 The tender must be valid for 180 (One Hundred and Eighty) days from the date of opening of the Techno-Contractual Bid.

10.0 Conditional tenders are liable for rejection at the sole discretion of the Company.

11.1 The bidders should quote their rates against individual items. The rates shall be quoted within (+/-) 10% on the internal estimate against individual items as specified in Schedule of Works(Part-II) subject to the limit of overall percentage from (-10%) to at par of the internal estimated contract cost. However the bids with overall percentage quoted at below (-10%) and above the internal estimated cost will be rejected outright. The rates shall be in figures as well as in words. No overwriting shall be allowed, but all corrections must be inserted in the blank space above the figure / word and must be initialed. In case of discrepancy, the rates quoted in words shall be considered. In case of any identical situation, the L-1 bidder will be decided through draw of lots.

12.0 Time Schedule

The time allowed for completing the work will be fifty two (52) weeks reckoned from the date of issue of work order. Time is the essence of the Contract and failure on part of the contractor to complete the work within the stipulated time, shall entitle the Company to impose liquidated damages and / or penalty from the contractor as per terms of the Contract.

13.0 Security Deposit

The successful bidder(s), except OIL registered contractors, shall deposit the requisite Security Deposit @ 2.50% of the Contract price in the form of Demand Draft / Banker's Cheque / Bank Gurantee in favour of Oil India Limited and payable at Duliajan before signing the formal Contract Agreement. The Security deposit shall be refunded to the contractor after satisfactory completion of the work, but part of whole of which shall be used by the Company in realization of LD or claims, if any, or for adjustment of compensation due to the Company for any reason. The Security Money shall not earn any interest.

14.1 Submission of Bids

The offer (both Part-A and B) containing the Tender, marked at the top with the above Tender Number and description of work, name and address of the tenderer and addressed to the HEAD – CONTRACTS, OIL INDIA LIMITED, P.O.DULIAJAN-786602 shall be submitted by 12.45 hours (IST) on 15th October' 2009 **in separate sealed envelopes, duly super scribed:**

PART-A: Un-priced Techno – Contractual Bid (With Earnest Money as specified in Para-6.0) .

PART-B: Price Bid – “Do not open with Part – A”.

Price bid receives in an open manner together with the Un-priced Techno-contractual bid and without superscription of the name / address of the tenderer will be rejected outright.

14.2 Tenders can be dropped in the tender box placed at the Office of the HEAD CONTRACTS or can be sent by registered post addressed to – HEAD – CONTRACTS, OIL INDIA LIMITED. Contracts Department, Duliajan – 786602 so as to, reach his office before scheduled closing date and time. The Company will not be responsible for any postal delay or non-receipt

15.0 **Opening of Bids**

Part – A of the Bid(s) shall be opened at 13.00 hours (IST) on 15th October' 2009 in the presence of the attending bidder or their authorized representative.

Part – B of the Bid(s) of the Techno-commercially qualified bidder(s) shall be opened at a latter date with due information to the qualified bidder.

16.0 OIL INDIA LIMITED reserves the right to curtail/ enhance the scope of the work stated above or cancel, if required.

17.0 The amount of retention money shall be released after six (06) months from the date of issue of completion certificate by the concerned department.

19.0 OIL INDIA LIMITED reserves the right to accept or reject any or all tenders in part or in total without assigning any reasons.

20.0 Bidder(s) must also furnish the followings:

- a) **NAME OF FIRM** :
- b) **DETAIL POSTAL ADDRESS** :
- c) **MOBILE / TELEPHONE NO** :
- d) **E-MAIL ADDRESS(If available):**
- e) **FAX NO (If available)** :
- f) **CONTACT PERSON** :
- g) **VENDOR CODE(If available)** :

HEAD (CONTRACTS)
For **RESIDENT CHIEF EXECUTIVE**

OIL INDIA LIMITED
(A Govt. of India Enterprise)
Contracts, Duliajan

WORKS CONTRACT

DCC5028P10

DESCRIPTION OF WORK/SERVICE :-

CONSTRUCTION OF ADDITIONAL 24 UNITS(4 BLOCKS) BX-TYPE QUARTERS FOR CISF AT DULIAJAN INCLUDING INTERNAL ELECTRIFICATION AND SUPPLY OF ALL MATERIALS EXCEPT CEMENT.

PART -I CONDITIONS OF CONTRACT

MEMORANDUM OF AGREEMENT made this _____ day of _____ Between OIL INDIA LIMITED a Company incorporated under the Companies Act 1956 and having its Registered Office at Duliajan in the District of Dibrugarh, Assam (hereinafter called Company) of the one part and Shri/Smti _____ and Shri/Smti _____ carrying on business as partners /proprietor under the firm name and style of M/s. _____ with the main Office at _____ in the District of _____ aforesaid (hereinafter called 'Contractor') on the other part.

WITNESSETH :-

1. a) The contractor hereby agrees to carry out the work set down in the Schedule of work which forms part-II of this Contract in accordance with the 1968 General Conditions of Contract of Oil India Limited and General Specifications read in conjunction with any drawings and Particular Specifications & instructions which forms Part-III of the contract utilizing any materials/services as offered by the Company as per Part-IV of the contract at _____ .

b) In this Contract all words and expressions shall have the same meaning as are respectively assigned to them in the 1968 General Conditions of Contract of Oil India Limited which the Contractor has perused and is fully conversant with before entering into this Contract.

c) The clauses of this contract and of the specifications set out hereunder shall be paramount and in the event of anything herein contained being inconsistent with any term or terms of the 1968 General Conditions of Contract of Oil India Limited, the said term or terms of the 1968 General conditions of Contract to the extent of such inconsistency, and no further, shall not be binding on the parties hereto.

2. i) The contractor shall provide all labour, supervision and transport and such specified materials described in part-II of the Contract including tools and plants as necessary for the work and shall be responsible for all royalties and other levies and his rates shall include for these. The work executed and materials supplied shall be to the satisfaction of the Company's Engineer and Contractor's rates shall include for all incidental and contingent work which although not specifically mentioned in this contract are necessary for its completion in a sound and workman like manner.

ii) Contractor shall have to produce necessary cash memos towards forest produce used against the contract to Head(Civil) used against this contract from the authorities prior to processing of final payment. In absence of cash memos, the final bill shall not be processed.

3. The Company's Engineer shall have power to:

a) Reduce the rates at which payments shall be made if the quality of work although acceptable is not upto the required standard set forth in the OIL Standard Specifications which have been perused and fully understood by the Contractor.

b) Order the Contractor to remove any inferior material from the site and to demolish or rectify any work of inferior workmanship, failing which the Company's Engineer may arrange for any such work to be demolished or rectified by any other means at the Contractor's expenses.

c) Order the Contractor to remove or replace any workman who he (The Engineer) considers incompetent or unsuitable; the Engineer's opinion as to the competence and suitability of any workman engaged by the Contractor shall be final and binding on the Contractor.

d) Issue to the Contractor from time to time during the progress of the work such further drawings and instructions as shall be necessary for the purpose of proper and adequate execution and maintenance of the works and the Contractor shall carry out and be bound by the same.

e) Order deviations in Part II and III of this Contract. All such deviation orders shall be in writing and shall show the financial effect, if any, of such deviation and whether any extra time is to be allowed. The rates to be applied for such Deviation Order shall be the same for those appearing in Company's Schedule of Rate in force on the date of issue of such Deviation Order, to which the contractor has no objection.

4. The Contractor shall have no claim against the company in respect of any work which may be withdrawn but only for work actually completed under this contract. During the actual execution of the contract, if any, additional items (deviated items) are required, which are not covered in the tender, payments of such items shall be made at the current OIL schedule of rates. In case of positive variation in quantity of any item from the quantity mentioned in the schedule of work during the actual execution of work, the Contractor will have to carryout the positive varied quantity at the contract rate, or Internally estimated rate, whichever is lower.

5. The Company reserves the right to cancel this Contract at any time upon full payment of work done and the value of the materials collected by the contractor for permanent incorporation in the work under this contract particularly for execution of this contract upto the date of cancellation of the Contract. The valuation of the work done and the materials collected shall be estimated by the company's Engineer in presence of the contractor. The Contractor shall have no claim to any further payment whatsoever. The valuation would be carried out exparte if Contractor fails to turn up despite reasonable notice which will be binding on the Contractor.

6. The Contractor hereby undertakes to indemnify the Company against all claims which may arise under the under noted Acts :-

- i) The Mines Act.
- ii) The Minimum Wages Act, 1948.
- iii) The Workman's Compensation Act, 1923.
- iv) The Payment of wages Act, 1963.
- v) The Payment of Bonus Act, 1965.
- vi) The Contract Labour (Regulation & Abolition) Act, 1970 and the rules framed thereunder.
- vii) Employees Pension Scheme,1995.
- viii) Inter-State Migrant (Regulation of Employment and Condition of Service) Act. 1979.
- ix) The Employees Provident Fund and Miscellaneous Provisions Act, 1952.
- x) AGST Act.
- xi) Service Tax Act.

or any other Acts or Statute not here in above specifically mentioned having bearing over engagement of workers directly or indirectly for execution of work. The Contractor shall not make the Company liable to reimburse the Contractor for the statutory increase in the wage rates of the Contract Labour appointed by the Contractor. Such Statutory increase in the wage rates of Contract Labour shall be borne by the contractor.

7. The Contractor shall clear away all rubbish and surplus material from the site on completion of work and shall leave the site clean and tidy.

8. The Contractor must complete the work within 52 weeks of the written order to commence work. During the currency of the job, the work progress must be commensurate with the time elapsed. In the event of any delay on the contractor's part, he/she will be liable to pay to the company liquidated damages at the rate of 1/2% (Half p.c) per week of the contract price of the item(s) delayed in completion and the maximum value

of the liquidated damage will be 15% (fifteen p.c) of the contract price of the item(s) delayed provided the item(s) delayed are not critical for commissioning and final utilization of the work. If, however, the item(s) delayed in completion are critical for commissioning and final utilisation of the work then the contractor will be liable to pay liquidated damages by way of penalty at the rate of 1/2% (Half percent) per week of delay of the total contract cost subject to a maximum of 15% (fifteen percent) of total contract cost.

The Head(Civil)'s certificate as to the criticality or otherwise of an item shall be final.

The payment of liquidated damages/penalty may be reduced or waived at the sole discretion of the Company whose decision in this regard will be final.

In the event of there being undue delay in execution of the Contract, the Company reserves the right to cancel the Contract and / or levy such additional damages as it deems fit based on the actual loss suffered by the company attributable to such delay. The company's decision in this regard shall be final.

9. In order to promote, safeguard and facilitate the general operational economic in the interest of the Company during the continuance of this contract the Contractor hereby agrees and undertakes not to take any direct or indirect interest and or support, assist, maintain or help any person or persons engaged in antisocial activities, demonstration, riots , or in any agitation prejudicial to the Company's interest and any such event taking shape or form at any place of the Company's works or and its neighbourhood.

10. The tendered all-inclusive Price (i.e. the Contract price) is Rs. _____
(Rupees _____

_____ only.) but the Company shall pay the Contractor only for actual work done at the all inclusive rates set down in the Schedule of work part II of this Contract.

On account payment may be made, not oftener than monthly, upto the amount of 90% (ninty percent) of the value of work done. Final payment will be made only after satisfactory completion of the work . Such final payment shall be based on the work actually done allowing for deviations and any deductions and the measurement shall be checked and certified correct by the Company's Engineer before any such final payment is made.

11. The contractor employing 20 (twenty) or more workmen on any day preceding 12 months shall be required to obtain requisite licence at his cost from the appropriate Licensing Officer before undertaking any Contract work. The Contractor shall also observe the rules & regulations framed under the Contract Labour (Regulation & Abolition) Act.

12. Wages shall be paid by the Contractor to the workmen directly without any intervention of any Jamadars or Thekadars and that the Contractor shall ensure that no amount by way of commission or otherwise be deducted/ recovered by the Jamadar from the wages of the workmen.

13. The Company for any reason whatsoever and of which the company shall be sole judge may terminate this Contract with a 24 hours notice in writing to the Contractor and in the event of Company's so doing the clause 5 here of shall prevail and the accounts between the parties will be in accordance therewith finalised.

14. The Contractor will not be allowed to construct any structure (for storage / housing purpose) with thatch, bamboo or any other inflammable materials within any company's fenced area.

15. The Contractor shall ensure that all men engaged by him/her are provided with appropriate protective clothing and safety wear in accordance with regulation 89(a) and 89(b) in the Oil mines Regulations 1984. The Company's representative shall not allow/accept those men who are not provided with the same.

16. All Statutory taxes levied by the Central and State Government or any other competent authority from time to time will be borne by Contractor and the amount of the contract specified in the contract is inclusive of all tax liabilities. However, any subsequent increase in such statutory taxes after bid opening day will be borne by the Company. Similarly if there is any decrease in such statutory taxes after bid opening, the Company shall recover the decreased amount of such taxes from the contractor.

17. The Contractor shall deploy local persons in all works.

18. The Contractor shall not engage minor labour below 18(eighteen) years of age under any circumstances.

19. The Contractor and his/her workmen shall strictly observe the rules and regulations as per Mines Act. (latest editions).

20. Special Conditions

a) The amount of retention money shall be released after 6(six) months from the date of issue of completion certificate from concerned department.

b) The contractor will be required to allow OIL Officials to inspect the work site and documents in respect of the workers' payment.

c) Contractor(s) whosoever is liable to be covered under the P.F. Act and contract cost is inclusive of P.F., must ensure strict compliance of provisions of Provident Fund and Miscellaneous Provisions Act, 1952 in addition to the various Acts mentioned elsewhere in this contract. Any contractor found violating these provisions will render themselves disqualified from any future tendering. As per terms of the contract, if applicable, the Contractor must deposit Provident Fund Contribution (covering Employee's & Employer's share) with the competent authority monthly under their direct code. The Contractor shall be required to submit documentary evidence of deposit of P.F. Contribution to the Company. In case of failure to provide such documentary evidence, the Company reserves the right to withhold the amount equivalent to 12% P.F. Contribution on wage component.

d) In case P.F. is not included in the contract cost and later on required to be deposited by the Contractor, the same will be reimbursed on production of documentary evidence of depositing the same to the authority concerned. 12% P.F. will be applicable on the wage component of the contract cost.

Based on contractor's declaration regarding P.F. & Wage component in last page of part-II, the same will be incorporated in the contract.

e) All safety precautions to be maintained by the Contractor at his own cost as per safety rules and regulations.

f) The Contractor shall use pump if needed for dewatering of pit while excavation for which no extra payment will be made.

g) The Contractor shall have to work during rainy seasons also.

h) Watch and ward, loss or damage to Company's property, theft and other incidental charges shall be Contractor's responsibility.

i) Efficient workmen to be engaged by the Contractor.

j) The Contractor's representative should report to Engineer-in-charge on all working day's at 7.00 A.M. and 3.00 P.M. for instructions.

k) Materials if rejected should be removed from site within 48(forty- eight) hours of rejection, failing which the Company reserves the right to get the rejected materials removed at the risk and cost of the Contractor.

l) The Company reserves the right to get the part or whole work complete at the risk and cost of the Contractor if he fails to complete the work within the stipulated time without any valid reason. The Company's decision shall be final and binding on the Contractor.

m) The Contractor shall obtain labour clearance within 7(seven) days of signing the Contract.

n) Water that may accumulate on the site during progress of the works or in trenches and excavations from other than accepted risks shall be removed from the site to entire satisfaction of the Engineer-in-charge and at the Contractor's expense.

o) The Contractor shall be in a position to execute 2(two) locations simultaneously.

p) If required, the Contractor shall have to work in two shifts for which no extra payment will be admissible to him/them.

q) If needed water and electricity will have to be arranged by the Contractor at his own cost.

r) The Contractor and his workmen are to be strictly observed the safety precautionary rules as per Mines Act (Latest edition) while executing the work.

s) The Contractor shall have to provide temporary latrine facilities in all the entire work site for use of their workmen during progress of work.

t) The contractor himself (the signatory of the contract) must visit the site at least twice in a week as fixed for taking necessary instruction from the Engineer-in charge.

u) The program of works to be submitted in the form of Bar Chart within 3 days of receipt of work order. work. twice in a week for necessary technical guidance and advices from Engineer- in-charge or site-in-charge.

21. SPECIAL INSTRUCTION

The contractor must quote considering the prevailing minimum Labour wage rate for each day of work. The Contract cost is based on minimum wage of 0.00 ().

22. ARBITRATION :

Any dispute under this contract will be settled through Arbitration as per Indian Arbitration and Conciliation Act, 1996.

Place of Arbitration : DULIAJAN .

23. FORCE MAJEURE :

Force Majeure (exemption) Clause of the International Chamber of Commerce (ICC Publication No. 421) is hereby incorporated in this contract.

24. LB. VERIFICATION REPORT AND SECURITY REVIEW :

Contractor will be required to submit the verification report to ascertain character and antecedents from the Civil Administration towards the persons engaged under this contract to the Head of the user Department before engagement.

25. In case of any doubt or dispute as to the interpretation of any clause herein contained, the decision of the Company's Engineer shall be final and binding on the contractor.

26. SET OFF CLAUSE :-

"Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of a sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited)."

IN WITNESS whereof the parties hereunto set their hands seals the day and year first written above :-

SIGNED & DELIVERED FOR AND ON BEHALF OF

(Signature of Contractor or his legal Attorney)

----- by the hand

(Full Name of Signatory)

of -----
its Partner/Legal Attorney

(Seal of Contractor's Firm)

And in presence of

(Signature of witness)

Date : _____

(Full Name of Signatory)

Address:

(Signature of Acceptor)

SIGNED & DELIVERED FOR & ON
BEHALF OF OIL INDIA LIMITED

Designation _____

Date _____

OIL INDIA LIMITED
(A Govt. of India Enterprise)
Contracts, Duliajan

Tender No. DCC5028P10

Part II - Schedule of Work, Unit, Quantities, Rates and Prices.

Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
GROUP A						
SECTION A						
Labour supervision and related transport wherever applicable						
10	Earth cutting for foundation trenches, depth & lift not exceeding one metre including trimming sides, dressing & leveling the bottom surface, disposal of spoil upto 30m and bailing out water where necessary in ordinary earth.	Cubic meter	536.000	43.72		
20	Extra over item no 10 for every additional 30cm depth / lift or part thereof of earth cutting beyond the first one metre but additional depth upto two metres only.	Cubic meter	110.000	5.94		
30	Earth filling in 150 mm layers, consolidating each layer by ramming and watering using earth previously cut from a distance upto 30m away with lift, if any, not exceeding 2m.	Cubic meter	402.000	43.15		
40	Collecting / excavating sand, soil, silt, ordinary earth from any source, load into lorries, transport it to distant place of work including procuring earth and laying in layer of 150mm thickness and dry ramming, profile properly made for taking measurement, including all	Cubic meter	162.000	142.94		

Contractor

1

Company

OIL INDIA LIMITED
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Contracts, Duliajan

Tender No. DCC5028P10

Part II - Schedule of Work, Unit, Quantities, Rates and Prices.

Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
50	<p>measurable lead upto 30m and lift as required. (The contractor shall be responsible for all formalities of supply of earth such as purchase of land including royalties, monopoly / other statutory taxes as required from any distance.)</p> <p>Preconstruction anti-termite treatment with aqueous emulsion having concentration 1:19 with chloropirophose solution(tricel or equivalent) and water. This provides emulsion containing 1% chloropirophose solution (by weight) - at the bottom of foundation pits and walls on either side to a height of 300mm from bottom of the excavation made for column ,plinth beam , wall trenches,top surfaces of plinth filling ,junction of walls and floor along the external perimeter of building expansion joints etc. by applying the emulsion @ 5(five) litres per square metre of the surface area before starting constructuion work (supplying of necessary tools and accessories by the contractor) as per the direction</p>	Square meter	544.000	87.00		

OIL INDIA LIMITED
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Tender No. DCC5028P10

Part II - Schedule of Work, Unit, Quantities, Rates and Prices.

Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
60	of the engr-in charge Cement concrete work (hand mixed) in foundation, floor, sill including screening of aggregates (Boulder broken stones 18-12MM)), mixing, laying and ramming (1:3:6 proportion of mix) and including casting floors in panels, where required and as directed and including curing	Cubic meter	192.000	1,678.48		
70	Cement concrete work (hand mixed) D.P.C.(1:2:4) including screening of aggregates (Broken stones 6MM-2MM), mixing, laying and ramming and as directed and including curing WITH 3% CICO by volume of cement..	Cubic meter	2.080	1,748.39		
80	Cement concrete work (hand mixed) in R.C.C.(Prop 1:1.5:30)including screening of aggregates (B/broken Stone 18mm-12mm)upto a height / depth of 4.00m from G.L. excluding shuttering & reinforcement including provision of all scaffolding for lift involved and including curing.	Cubic meter	175.680	1,624.37		
90	Cement concrete work (hand mixed) in R.C.C.(Prop1:1.5:3) including screening aggregates (B/broken Stone 18mm - 12mm) upto a height / depth	Cubic meter	33.000	1,674.33		

Contractor

3

Company

OIL INDIA LIMITED
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Contracts, Duliajan

Tender No. DCC5028P10

Part II - Schedule of Work, Unit, Quantities, Rates and Prices.

Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
100	of 8.00m from G.L. excluding shuttering & reinforcement including provision of all scaffolding for lift involved and including curing. Cement concrete work (hand mixed) in R.C.C.(prop 1:1.5:3)including screening aggregates (B/broken Stone 18mm - 12mm) upto a height / depth of 12.00m from G.L. excluding shuttering & reinforcement including provision of all scaffolding for lift involved and including curing.	Cubic meter	30.240	1,742.14		
110	Same as ITEM 80 but, concrete work done by machine mixing (Mixture Machine and Vibrator Supplied by Contractor, including operator and POL).	Cubic meter	100.840	1,493.05		
120	Same as ITEM 90 but, concrete work done by machine mixing (Mixture Machine and Vibrator Supplied by Contractor, including operator and POL).	Cubic meter	100.840	1,543.02		
130	Same as ITEM 100 but, concrete work done by machine mixing (Mixture Machine and Vibrator Supplied by Contractor, including operator and POL).	Cubic meter	17.400	1,592.98		
140	Supplying, Making, fixing and	Square meter	2,765.000	159.90		

Contractor

4

Company

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Part II - Schedule of Work, Unit, Quantities, Rates and Prices.

Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
150	striking timber shuttering for concrete work except for D.P.C. and floor panel. Job including fixing bracing and necessary props, runners and base supports as per instructions etc. All bracing, runners, base supports and props are part of contractor's accessories for which no separate payment will be made, including supply of shuttering timber,wire nails etc. Supplying,Making, fixing and striking timber shuttering for concrete work except for D.P.C. and floor panel. Job including fixing bracing and necessary props, runners and base supports as per instructions etc. All bracing, runners, base supports and props are part of contractor's accessories for which no separate payment will be made,including supply of timber shuttering,wire nails etc.With STRONG BRACING.	Square meter	2,105.000	167.90		
160	Brick work in cement mortar with 1:5 PROP OF mix, for foundation and super structure, including necessary soaking of bricks, raking out joints and curing etc.	Cubic meter	119.000	2,322.89		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
170	complete for brick work upto plinth level from ground level. 115mm thick brick work in cement mortar (Prop 1:5)above plinth level upto floor two level including raking out joints, making and removing scaffolding, staging or working platform, where necessary and curing as directed.	Square meter	1,160.000	273.36		
180	Same as item no.170, but beyond floor two level to floor three level.	Square meter	1,200.000	282.41		
190	Same as item no.170, but beyond floor three level to floor four level.	Square meter	1,060.000	291.99		
200	Laying flat brick soling 75mm thick in panels after preparing the sub-grade by leveling, ramming and sand packing the brick soling and including local handling of bricks on 25 mm thk sand bed including	Square meter	1,150.000	166.93		
210	grouting with cement mortar 13 mm thick cement plaster (In prop. 1 cement : 3 sand) trowelled smooth finished including making and removing of staging, working platform where necessary including curing and hacking old surface, rounding off corners etc. complete	Square meter	119.900	68.63		
220	Same as item no.210 for work	Square meter	60.000	82.21		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
230	beyond 4.00m upto 8.00m height. same as item no.210 for work beyond 8.00m upto 12.00m height.	Square meter	60.000	101.62		
240	13mm thick cement sand plaster of prop 1:5. Sponge finished on all jobs including ceiling with staging where necessary and curing, hacking old surface, rounding off corners etc. complete upto a height of 4.00m.	Square meter	1,528.000	45.77		
250	13mm thick cement sand plaster of prop 1:5. Sponge finished on all jobs including ceiling with staging where necessary and curing, hacking old surface, rounding off corners etc. complete upto a height of beyond	Square meter	1,528.000	66.83		
260	4.00m.& upto 8.00m 13mm thick cement sand plaster of prop 1:5. Sponge finished on all jobs including ceiling with staging where necessary and curing, hacking old surface, rounding off corners etc. complete upto a height of beyond8.00m.& upto 12m	Square meter	1,608.000	78.22		
270	Cement plastered skirting 25mm thick in prop. 1:3 with plain / neat cement finish over whole area, including curing complete.	Square meter	216.000	122.53		
280	25mm thick granolithic floor	Square meter	1,020.000	121.82		
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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
290	with cement sand and stone chips 6mm to 10mm size in prop. 1cement : 1 1/2 sand : 3 stone chips(6mm to 10mm size), finished smooth with steel trowel including curing and panel shuttering in panels of 5 sq. m or less. 13 mm thk cement plaster Dado, 2100 mm high in bathrooms,900mm high in WC's and 1000mm in kitchen with cement mortar of prop 1:3 finished with a floating coat of neat cement including rounding of junction with floor etc.	Square meter	428.000	68.63		
300	"Supplying Straightening, cleaning, cutting and bending to proper shape and length reinforcement bars for R.C.C. work and placing in proper position as per details by binding with 22G annealed black wire with cover blocks, supports, chairs, spacers etc. ready for laying concrete as directed including making and placing of C.C. blocks."	Quintal MS / TS	672.000	6,059.00		
310	Supplying Erecting fabricated light steel work (tubular pipes, angles etc. weight not exceeding 15 Kg per metre length) all	Tonnes	8.500	67,670.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
320	bolting connections by using chain pulley block, (gin pole and other equipments to be supplied by contractor) including lifting of materials and staging as required. Supplying Erecting C.I. sheet roof on plane apex or Arch roof (straight work) on steel purlin by "J" or pipehook and bitumen washer etc. complete as directed including cutting of sheets where necessary. (thickness-0.63mm; Make TATA/SAIL)	Square meter	830.000	631.08		
330	Supplying Erecting ridging on on steel purlin by 'J' and pipe hooks, washers, bitumen washer etc. (0.63mm thk)	Meter	81.800	395.59		
340	Supplying Erecting GI sheet valley on on steel purlin by 'J' and pipe hooks, washers, bitumen washer etc. (0.63mm thk)	Meter	41.600	362.37		
350	Supplying Dressing and plainning one side of 75mm x 50mm timber scantling, making timber frame for ceiling by grooving and jointing by nailing and using required cut pieces in joints in proper level and fitting 4mm asbestos board ceiling by screwing in	Square meter	450.000	255.02		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
360	<p>position on the bottom dressed side of timber frame in proper level and making timber strips by dressing and planing 50mm x 13mm size timber and fitting dressed timber strips in straight lines over the joints of boards and in frames by screwing in panels not exceeding 1.44 sq. m. Making box type ceiling ventilators (size upto 1.20m x 1.20m x 0.23m high) by dressing planing all sides of 75mm x 50mm timber scantling used for framing and cutting chicken mesh wire to required size for fixing on all four vertical surfaces of the box by tightening, nailing and by fixing with dressed timber strips of size 50mm x 13mm over all timber frames over net and fixing the cover (horizontal surface) with ceiling material by nailing, screwing and fixing the four ends by using 50mm x 13mm timber strips by nailing / screwing as applicable and placing the ventilator properly in position over the ceiling opening complete as directed.</p>	each	8.000	905.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
370	Dressed timber work by thoroughly dressing / planning both sides of timber and edges, making joints by grooving and nailing, screwing and fixing in required size for cup-board shelves, including supply of timber complete.	Square meter	126.430	610.86		
380	Supplying, Making and fixing standard nickel plated MS pipe 20 mm dia curtain rods & brackets .	Meter	404.000	94.83		
390	Making fixing CP Coat hanger 4nos on timber bead of length 1.00m & size 100mm X 25mm)	Set	48.000	221.33		
400	Supplying fixing 12 G GI wire for Mosquito curtain .	each	96.000	187.30		
410	Making standard ground sink in kitchen	each	24.000	178.14		
420	Construction of standard gas chulla as per DRG no OIL/5206 complete in all respect including supplying fitting all accessories ,mosaic work ,gas chulla manifold,casing ,burner,bin nipple & 1/4" valve.	each	48.000	1,801.02		
430	Cement brick work (in prop. 1 cement : 6 sand) for trapezoidal section drain of top width 525mm x bottom width 225mm x 150mm height, bricks laid flat over 25mm thick bedding (1 cement : 8 sand) and 13mm thick	Meter	208.000	191.69		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
440	neat finish on inside plaster (1 cement : 3 sand) and in top edges curving, rounding etc. including necessary excavation to required size, dressing, grading, ramming and levelling and curing complete. Supplying Fitting, fixing approved quality water closet Indian Type (long pan -510mm)with 'P' or 'S' trap complete with cistern as directed including cutting and making good to the walls and floor. Make: HINDWARE	each	24.000	3,331.94		
450	Supplying Fitting, fixing white glazed vitreous China wash basin 550x400 including M.S. brackets 12mm dia. C.P. screw down, 75mm Nose pillar taps, 32mm dia C.P. waste pipe with fitting plug and C.P. chain, C.P. bottle trap and 40/50mm dia. G.I. waste pipe, cleaning eyes water proof and making all connections finishing in all complete as directed. (External pipes for outlet will be measured and paid separately).Make:HINDWARE	each	24.000	1,738.06		
460	Supplying fixing metal glazed window and metal glazed ventilator with lugs on brick wall including	Kilogram	6,460.000	260.34		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
470	cutting brick wall where necessary and fitting fixing complete. Supplying Fixing timber door frame of 1st class hollock timber(100mm X 75mm size) to brick wall for single or double leaf door including cement concrete block for hold fasts and cutting brick work where necessary.	Cubic meter	3.000	45,755.52		
480	Supplying fixing I R C fabric 4.75mm and 75 sq mesh to metal glazed window/ventilator by spot welding at points not more than 15cm apart.	Square meter	380.000	328.50		
490	Supplying Fixing fitting steel door frame made of ISA 35mm x 35mm x 5mm to brick wall	Kilogram	1,200.000	74.68		
500	Supplying fixing MS aldrop 300 x 16mm	each	24.000	222.01		
510	Supplying fixing bathroom mirror 600 x 450 bevelled edge of approved brand.	each	24.000	720.73		
520	Supplying fixing CP towel rail 600mm x 20mm .	each	24.000	430.19		
530	Supplying Laying, jointing of approved quality SCI pipe of 100mm diameter in trenches, maintaining proper slope and alignments as per drawing, specification and direction including jointing of pipes with cement grouting including	Meter	112.000	493.21		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
540	nuts and bolts and other fitting as directed and specified . Providing and fixing sand cast iron bend 100mm of required degree with access door ,insertion rubber washer 3mm thk bolts and nuts complete (Wt. of fitting to as per the latest IS specification)	each	32.000	405.05		
550	Providing and fixing SCI plain bend 100mm of required degree	each	56.000	362.51		
560	Supplying Laying, jointing of approved quality earthenware pipe of 100mm to 150mm diameter in trenches, maintaining proper slope and alignments as per drawing, specification and direction including jointing of pipes with spun yarn soaked in CEMENT SLURRY & cement mortar 1:2 complete. (Quantity of earthwork will be measured and paid separately).	Meter	196.000	519.25		
570	Wire brushing, scrapping, brooming, cleaning, removing all dust, dirt, mortar drops, loose materials etc. from the surface of steel work and applying two coats of paint over steel work at any height to give an even shade. Surface shall be free from grease,	Square meter	1,350.000	74.89		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
580	<p>efflorescence and these should be removed prior to painting.</p> <p>White washing on wall one coat at any height to give an even shade including thoroughly brooming and cleaning the surface to remove all dust, dirt, mortar drops, foreign materials etc. (One coat consists of white washing the surface in one direction and then leaving the surface to dry and applying the white washing in right angle to previous direction to get one even shade.</p>	Square meter	2,213.800	6.90		
590	<p>White washing on wall three coats at any height to give an even shade including thoroughly brooming and cleaning the surface to remove all dust, dirt, mortar drops, foreign materials etc. (One coat consists of white washing the surface in one direction and then leaving the surface to dry and applying the white washing in right angle to previous direction to get one even shade. Two subsequent coats over the dry surface.</p>	Square meter	5,131.520	19.30		
600	Applying Robbiacem two coats	Square meter	2,213.800	44.97		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
610	on wall to give an even shade, including thoroughly brushing the surface to remove all dust, dirt, foreign materials, mortar drops, loose materials, providing necessary scaffolding working platform and curing etc. complete. Varnishing timber-work including preparing surface (i.e. sand papering, filling holes with putty etc.) one coat to give an even shade at any height.	Square meter	456.960	74.17		
620	White washing ceiling and painting timber strips, one coat describe at any height to give an even shade after thoroughly brooming and cleaning the surface of all dust, dirt, foreign materials etc.	Square meter	450.000	12.97		
630	Applying indo-coat to timber work one coat at any height including provision of necessary scaffolding / working platform, and cleaning the surface of all dirt, dust, foreign materials etc.	Square meter	110.000	21.39		
640	Supplying Laying, fitting and fixing 25mm dia. galvd. steel pipe of approved quality including fitting, fixing and making threading of pipes where required and fitting,	Meter	160.000	262.29		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
650	fixing valves line fitting etc. as directed for permanent work including testing of pipe line complete. Supplying Laying, fitting and fixing 20mm dia. galvd. steel pipe including fitting, fixing and making threading of pipes where required and fitting, fixing valves line fitting etc. as directed for permanent work including testing of pipe line complete.	Meter	120.000	195.42		
660	Supplying Laying, fitting and fixing 15mm dia. galvd. steel pipe including fitting, fixing and making threading of pipes where required and fitting, fixing valves line fitting etc. as directed for permanent work including testing of pipe line complete.	Meter	160.000	154.54		
670	Supplying, Fitting and fixing C.P. brass water tap / pillar cock in supply point in sinks, wash basin .etc.	each	72.000	302.22		
680	Supplying Fitting and fixing C.P. shower rose of approved brand.	each	24.000	292.46		
690	Construction of 50 user septic tank as per OIL Drg no2760	each	4.000	18,016.40		
700	Supplying fixing cupboard shutter frame (75mm x50mm size) to brick wall	Cubic meter	1.050	45,755.42		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
710	Supply Hanging double leaf cupboard shutters(20mm thk) on readymade timber frame including fitting hinges, tower bolts, stay hook etc.	Square meter	54.000	1,923.76		
720	Supply fixing Brass Hasp staple 100mm size of approved brand.	each	24.000	72.78		
730	Supply and fixing flush bolts 100 mm long	each	24.000	62.42		
740	Semidressing, making and fixing chicken wire net framing at eves of CI sheet or Asbestos sheet roof with 50mm x 25mm or 75mm x 25mm timber frame and 20mm x 12mm beading inside including making the frame to fit exactly with corrugation.	Square meter	140.000	338.08		
750	Supplying Hanging double leaf flushdoor (non decorative) 35 mm thk on readymade timber frame including fitting hinges,etc, (Size:-2045 x 900 mm)	Square meter	168.000	2,151.31		
760	Supplying Hanging flush door 30 mm thk on readymade timber frame including fitting hinges,etc, (Size:-2045 x 800 mm)	Square meter	45.360	2,066.56		
770	Supplying Hanging single leaf flush door 30 mm thk on readymade frame including fitting hinges,etc, (Size:-2045 x 700 mm)	Square meter	121.000	2,066.56		
780	Manufacture of R.C.C. slab upto 40mm thick including	Square meter	96.000	565.28		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
790	cutting & fixing X.P.M. sheet / M.S. reinforcement, mixing & laying cement concrete of prop. (1 cement : 2 sand : 4 graded stone chips), including provision of lifting arrangement, shuttering works (making, fixing & removal), top of slab to be trowel finished and bottom & edges fair finished including curing etc. complete. Cutting 75mm to 100mm square hole through 115mm thick brick wall using chisel and hammer for crossing electric wiring, gas or water line etc. and making good with cement mortar after the pipe is laid.	Square meter	120.000	21.31		
800	Construction of standard junction box for double unit type latrine (minimum clear size 215mm length of both ends x 400mm length of one side and height equal to plinth height of the building) with 115 thick brick wall in cement mortar (In prop. 1 cement : 5 sand) with proper jointing to brick work in plinth of building and necessary C.C. work (1 cement : 3 sand : 6 stone chips) in the bottom for draining facilities and in the	each	8.000	1,291.02		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
	top surface of brick wall for holding slab and keeping proper inlet and outlet holes for soil lines including neat cement plaster (In prop. 1 cement : 3 sand) both inside and outside with provision of minimum 50mm thick R.C.C. (1 cement : 2 sand : 4 stone chips) slab cover (minimum size 325mm x 450mm) using XPM or IRC sheet including straightening, cutting, placing in position of XPM / IRC sheet and placing the already cast slab cover in grooves at the top surface of brick work for single unit type latrine including fitting vent pipe with necessary clamps ,cowl etc. including curing complete in all respects.	each	250.000	39.70		
810	Excavating trenches in ordinary soil for laying soil lines / pipes etc. above 1m. deep, bottom properly graded, levelled to required gradient with light ramming and bailing out water where necessary and depositing soil as directed.					
820	Refilling trenches for soil/pipe lines, consolidating by ramming using previously cut earth from	Cubic meter	250.000	28.16		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
830	distance upto 30m away. Construction of manhole ring with 230 mm thk brick work	Cubic meter	16.000	3,340.00		
840	Manufacture of manhole covers 1.15m dia and 75 mm thick, with cement concrete 1 cement : 2 sand : 4 graded stone chips of 20mm size including cutting, fixing & placing M.S. reinforcement including provision for lifting arrangement, fixing & removal of shuttering, curing etc. complete including supply of all materials..	each	16.000	700.76		
850	Supplying ,fixing fan hook of 16mm dia MS rod.	Kilogram	87.000	60.59		
860	Dressing & levelling the ground surface including removing grass & undergrowth with necessary cutting & filling earth, if any, upto 150mm. depth including disposal of rubbish, lead upto 50 m outside of periphery in all kinds of soils.	Square meter	500.000	3.56		
870	Supplying Laying, fitting and fixing 12mm dia. MS pipe including fitting, fixing and making threading of pipes where required and fitting, fixing valves line fitting etc. as directed for permanent work including testing of pipe line complete.	Meter	288.000	108.11		

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880	6mm thick cement sand plaster of prop 1:3 sponge finished on all jobs including ceiling with staging where necessary and curing, hacking old surface, rounding off corners etc complete upto a height of 4.00m.	Square meter	200.000	41.58		
890	6mm thick cement sand plaster of prop 1:3 sponge finished on all jobs including ceiling with staging where necessary and curing, hacking old surface, rounding off corners etc complete upto a height of 8.00m.	Square meter	200.000	48.27		
900	6mm thick cement sand plaster of prop 1:3 sponge finished on all jobs including ceiling with staging where necessary and curing, hacking old surface, rounding off corners etc complete upto a height of 12.00m.	Square meter	50.000	64.37		
910	Providing and fixing aluminium tower bolt of 8" long of ISI marked with necessary screws etc complete.	each	320.000	75.92		
920	Providing and fixing aluminium tower bolt of 6" (150mm)long of ISI marked with necessary screws etc complete	each	188.000	62.42		
930	Providing and fixing aluminium door handle of 6" (150mm)long of ISI marked with necessary screws	each	352.000	71.25		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
940	etc complete Providing and fixing holding nuts and washers complete.	Kilogram	30.000	75.99		
950	Laying pre-cast C.C. manhole cover (0.75m to 1.15m dia.) including carriage upto 30m from the place of laying, preparation of surface and repairing defects if any.	Square meter	4.840	38.26		
960	Providing and fixing CP brass stop cock of standard design and of approved make conforming to IS 8931, 15 mm nominal bore.	each	24.000	383.32		
970	Laying, jointing of approved quality PVC pipe of 100mm to 150mm diameter in trenches, maintaining proper slope and alignments as per drawing, specification and direction including jointing of pipes with spun yarn soaked in CEMENT SLURRY & cement mortar 1:2 complete. (Quantity of earthwork will be measured and paid separately).	Meter	96.000	519.25		
980	Making and fitting of PVC waste pipe of any dia. for hand wash basin, sink, urinal pan etc. for exposed line and refitting including cutting and making good to the walls and floor where necessary complete as directed including joining with outlet connection and	Meter	50.000	190.53		

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removing all unserviceable materials from site.

Total of SECTION A Rs. _____

SECTION b

Supply of all material at site of work including all royalties and other charges being borne by the contractor

10	Point Wiring for light point/ fan point with 3 nos. single core, 1.5sq.mm, PVC insulated, unsheathed, 1100v, fire retardant, ISI, FIA, TAC approved, flexible copper conductor, colour coded cables in casing capping on wall including supply of all materials. Casing capping should be in white colour & BIS approved	each	330.000	360.00	
20	Wiring for light plug point & circuit with 3 nos. single core, 1.5sq.mm PVC insulated, 1100v, fire retardant, ISI, FIA, TAC approved, flexible copper conductor, colour coded cables in casing capping on wall including supply of all materials. Casing capping should be in white colour & BIS approved.	Meter	1,800.000	100.00	
30	Supply, installation, connection,	each	135.000	665.00	

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
40	testing and commissioning of factory wired, wall mounted HPF box type fluorescent luminaire suitable for 1x40 watt FTL. Luminaire to be complete with copper ballast, starter, p.f. improvement capacitor and 40 watts FTL . (model no. TMC 501/136 HPF of Philips make Supply, installation, connection,	each	100.000	310.00		
50	testing and commissioning of factory wired, wall mounted HPF box type fluorescent luminaire suitable for 1x 20watt FTL. Luminaire to be complete with copper ballast, starter and 20 watts FTL . (model no. TMC 15/120 of Philips make Supply, installation, testing and	each	96.000	1,500.00		
	commissioning of AC ceiling fan 1200mm sweep, conforming to ISI, 220/ 250volts, 50Hz complete with resistance type regulator (regulator to be mounted & wired on existing PVC switch board of the room), clamp, down rod, metallic					

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
60	blades, canopy, rubber shackle, (Bajaj Energy Smart, Havell's ES 50 or Similar energy efficient, star rated Fan as approved by Engineer In charge) Supply and installation & wiring of 5 amp deluxe type switch. Switch shall be mounted on the PVC switch board of the room. Cat no -1014 of anchor make or as approved by engineer in-charge.	each	330.000	25.00		
70	Supply installation & wiring of 3 pin, 5 amp deluxe type combined switch socket. Switch socket shall be mounted on the PVC switch board of the room. Cat no -4067 of anchor make or as approved by engineer in-charge	each	144.000	70.00		
80	Supply and installation of Ceiling rose with PVC box for mounting of ceiling rose. Ceiling Rose Cat no - 3235 of Anchor, PVC Box Cat no. PFJ259 of Presto Plast or as approved by engineer in-charge	each	330.000	30.00		
90	Supply and installation of	each	72.000	85.00		
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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
100	PVC switch board with cover, size 175 x 100mm & approved by IS 14772, colour- white. Type -presto teak of presto plast or as approved by engineer in-charge Supply and installation of PVC switch board with cover, size 200 X250 mm& approved by IS 14772, colour- white. Type -presto teak of presto plast or as approved by engineer in-charge.	each	96.000	145.00		
110	Supply and installation of PVC switch board with cover, size 100x100 mm & approved by IS 14772, colour- white. Type -presto teak of presto plast or as approved by engineer in-charge.	each	220.000	60.00		
120	Supply and installation of PVC insulated, PVC sheathed, three core, 650v grade, 1.0 sq. mm flexible copper conductor cable, circular in shape for wiring & connection of all fixtures from ceiling rose. Cable approved by IS-694,	Meter	120.000	28.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
130	<p>colour- grey/ Black. Make-Finolex/ Havells or as approved by Engineer In charge</p> <p>Supply and Installation of Single phase, 240vAC, Surface mounted Consumer Unit (MCB DB) with following specifications.</p> <p>Complete DB to be made of CRCA sheet steel which is given seven tank anti corrosion treatment & two- tone powder coated in white colour. Top & bottom gland plates to have knockouts for cable entry. DIN channel for mounting MCBs should be provided and DB should be as per IS-8623.</p> <p>DB should have external earth terminal & mounting holes. Cable ties & wire leads for wiring incomer RCCB to respective phase & neutral buses should be supplied and wired with single core 10 sqmm stranded copper cable with tinned copper lugs. 63amp tinned copper busbar should be provided for phase & neutral. Neutral & Earth bar should be 6 way</p>	each	24.000	4,000.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
	<p>each & suitable for termination of wires with pin type cable lugs. Enclosure type- IP-20 with single door. Earth busbar to be of brass or tinned copper. The DB should be fitted with the following incoming & outgoing devices.</p> <p>a. One no. 2-pole, 240vAC, 63 amp, 30mA sensitivity RCCB with DMC housing, suitable for class-II tropicalisation (as per IEC) & approved by ISI or IEC, as incomer. Terminals of RCCB should be suitable for terminating cable with pin type reducer terminals of 10sq.mm size.</p> <p>b. Single pole, 240vAC, 6 amp MCB as outgoing-6 nos. All outgoing MCBs should be 'C' curve, 240v AC rated, 10kA rated breaking capacity, with DMC housing, suitable for class-II tropicalisation (as per IEC) & approved by ISI or IEC. MCBs should have integrated label holder, biconnect upper & lower terminals & air channels for low temp. rise. All unused openings should be fitted with</p>					

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
140	<p>Blanking Plates. MAKE OF DB: Legrand (Lexic)/Merlin-Gerin/ Siemens</p> <p>Supply and Installation of 30amp, 240v AC, Single Pole Switch Fuse Unit, non-weatherproof type complete with one no. 30 amp porcelain fuse base and carrier and one no. removable neutral link. Tinned fuse wire of 4 amp shall be wired in fuse carrier. All contacts and connectors shall be made from hard silver coated electrolytic grade copper. Conduit entry: 19/20 mm at top and bottom with rubber grommet ring or knockout. Enclosure and cover shall be made from rust free MS sheet and powder coated in White/DA Grey colour. Enclosure cover shall have neoprene gasket. Operating handle shall be provided in the side of the unit. One no. external earth point shall be provided in the unit. Switch Fuse Unit shall be suitable for mounting on wall and shall</p>	each	24.000	800.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
150	<p>confirm to IS-13947 (Part-3) with latest amendments. Incoming cable of 2x6 sqmm PVCA Aluminium shall be terminated in the main switch using crimping lugs. All lugs shall be supplied and installed by the party as part of the switch. Make: GEPC/L&T/ Havells. Supply, installation, cable termination and earthing of One no. 4- way, 415v, 32 amp, TPN Fuse DB complete with 12 nos. 16 amp HRC Fuse links, busbars, similar to model SM32TN4 of GEPC, and one no. 63amp, 415v TPN, Cast Iron enclosure, Main Switch, similar to type CH633N(U) of GEPC, fitted with 32 amp HRC fuse links on a fabricated metallic frame. Switch shall have one cable entry box at bottom entry side. Make of cable box shall be same as switch make. Switch and DB shall be mounted on a fabricated frame of angle iron made from 50x50x5 mm angle iron. The</p>	each	4.000	20,000.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
	<p>frame shall have one 50x6mm GI strap, length of the strap same as the frame width, fixed on the bottom side of the frame for earthing of switch, DB and connection of earthing straps. Switch and DB shall be earthed using 6 SWG bare GI wires. Two independent earth wires for switch and DB are required with independent connections. Frame shall be grouted to the wall using minimum four nos. of grouting bolts of minimum 15x100mm size. Minimum 50mm clearance shall be available between the back surface of DB, Switch and wall for fixing mounting bolts of DB and Main Switch. The construction of the frame shall be of high standard for proper support and operation of switch and DB. Bottom of the cable entry plate of the cable box of the switch shall be at a height of minimum 1200 mm from floor level. Main switch shall be connected to DB with 4 nos. 16 sq mm, single</p>					

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
	<p>core, 1100v grade, PVC insulated, flexible copper conductor cable with tinned copper lugs. This cable shall be routed in metal cable box mounted between DB and switch. The fabricated frame shall be cleaned of rust and other deposits and then painted with red oxide primer and two coats of DA grey paint. One no. heavy duty single compression cable gland of nickel plated brass suitable for glanding of 4x16 sqmm PVC insulated, PVC sheathed, galvanised armour cable shall be mounted on the gland plate of the cable box of the switch. Neutral bar of the fuse DB shall have 5 mm dia holes for connection of neutral cable with tubular cable lugs. One danger board shall be fixed on the frame at prominent place. Make of Switch and DB: GEPC/L&T/Siemens. One no. of above Switch and DB unit shall be used for each block. Party shall supply and install suitable crimping</p>					

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
160	<p>type cable lugs for connection of main incoming cable, 4x 16 sqmm PVCA Aluminium, to the incomer terminals of 63 amp TPN Main Switch.</p> <p>Supply and installation of all items like flexible metallic conduit, conduit clamps, cable loops, cable lugs, cable glands, hardwares and all other accessories required for termination, glanding and connection of service leading and wire loops of DB for each house. Service leading cable shall be supplied by OIL without any cost to the contractor as per length required.</p> <p>Service leading shall be 2x 6 sq mm PVCA Aluminium conductor Cable. One end of the service leading shall be terminated at incomer of 30 amp SPN main switch of one house and other end shall be terminated at one no. outgoing circuit of 32 amp fuse. Outgoing of 30 amp SPN main switch shall be connected to MCB DB of each house using</p>	each	24.000	250.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
	<p>wire loop of flexible copper cable laid in flexible metallic conduit. Cable gland- Heavy duty single compression cable gland of nickel plated brass, suitable for glanding of 2x6 sqmm PVC insulated, PVC sheathed, galvanised armour cable. Gland confirming to IS. Two nos. of cable glands shall be required for each house. Make of gland: Baliga, Dowells, GMI. Conduit- Medium grade flexible metallic conduit of galvanised iron (approximate length 125mm). Make: Senco, GMI or as approved by Engineer Incharge. Cable Lugs- Tinned copper lugs, tubular or pin type as required. Lugs shall be used for all terminations. Make: Dowells. Wire loop- Single core, 1100v grade, PVC insulated, IS approved Flexible copper conductor cable of 6 sq mm size for connection of phase and neutral of 30 amp main switch to MCB DB. Make: Finolex, havells.</p>					

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
170	Supplying, and laying of ISI approved 6 SWG GI wire alongwith the existing submain wiring cable on wall for earthing of Main Switch of Individual House as required	Meter	400.000	16.00		
180	Supply, installation on wall using clamps, of 50mm ID, 5mm wall thickness, medium grade, IS approved GI pipe for protection of armoured cable. All clamps and screws shall be included in the supply of pipes. Make of pipe: TATA, Jindal, Sail, Hindustan Steel.	Meter	60.000	320.00		
190	Supply, installation on wall using clamps, of 100mm ID, 5mm wall thickness, medium grade, IS approved GI pipe for protection of armoured cable. All clamps and screws shall be included in the supply of pipes. Make of pipe: TATA, Jindal, Sail, Hindustan Steel.	Meter	20.000	760.00		
200	Supplying and laying of 25mmx5mm GI strap for earth electrode & DB earthing including supply of all hardwares required for	Meter	80.000	65.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
210	<p>connection. The GI strap should be hot dip galvanised with galvanisation thickness of minimum 80 micron and confirm to IS. All hardwares to be galvanised and of minimum 12mm diameter.</p> <p>Laying and fixing of 2x6 sqmm PVC armoured cable (cable shall be supplied by OIL without any charge to the party) on wall using heavy duty saddles of GI. One saddle is to be fixed every 300 mm length of the cable. Length of screws for saddles: 50mm. Screws for saddles shall be fixed to wall using heavy duty PVC wall plugs. Drill machine shall be used for fixing wall plugs. All items required for laying and fixing the cable on wall shall be supplied by the party.</p>	Meter	400.000	25.00		
220	<p>Supply and installation of clamp with necessary hardwares for clamping guard pipe of cable to overhead line pole. Clamp shall be made from 25x3mm painted MS strap. Suitable sized galvanised</p>	each	8.000	200.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
230	<p>nut bolts shall be used for clamping. Guard pipe- 60mm OD. Line Pole- 125mm OD. Design of clamp and type of hardwares shall be approved by Engineer Incharge</p> <p>Making of cable trench in the soil as per following details. The trench will be made in soil along the route decided in consultation with OIL. The trench will be 750mm deep, 400mm wide. The trench bottom will be filled with 75mm thick layer of clean sand and levelled to give flat bedding for cable. The cable shall be laid on this sand bed. After laying the cable in the trench the trench will be filled with another layer of clean sand of thickness 75mm. This sand layer will be leveled and complete trench length covered with A- Class bricks. The bricks will be placed closely without any gap. Brick length shall be perpendicular to the cable route. The trench will then filled with soil and the soil surface shall be dressed</p>	Meter	100.000	70.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
240	properly. Handling of 4x16 sqmm PVCA Aluminium cable while laying this cable from the overhead line to 63 amp Main Switch in each block. Cable shall be supplied by OIL without any charge to the party	Meter	160.000	10.00		
250	Earth electrode made of GI pipe. 3.0 meter long x 50mmID, minimum 5mm pipe wall thickness. Each electrode shall have two nos. of L- shaped connectors made from 25x6mm GI strap welded on the top side of electrode for connection purpose. Each side of the connector shall be 150mm long. The weld shall be complete along the jointing surface. The weld shall be cleaned of slug and then coated with aluminium based/ bituminous paint for rust protection. There shall be two holes of 12 mm dia on the connection surface of the connector. GI Pipe shall be ISI marked, medium grade. Each electrode will have its separate enclosure	each	8.000	2,200.00		

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Service Line No.	Description of Works	Unit	Qty	Internal Rates per unit (Rs)	Contractor's quoted Rates per unit (Figs & Words) (Rs)	Amount (Rs)
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made from brickwork and have removable concrete cover for inspection, testing and connection. Size, construction of the enclosure will be as per IS-3043. There will be openings in the enclosure sides for passing the earth straps.
Make of GI pipe: TATA/Jindal/ SAIL/ Hindustan pipes.

Total of SECTION b Rs. _____

Total of GROUP A Rs. _____

N.B.-Company's rate include 8.8% AGST & Labour rates based on minimum labour wage of 0.00

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Total of all Groups Rs. _____

Bidders are requested to fill up the following :

- 1) Whether 12% P.F. on the wage component is included in the total quoted cost _____ - Included / Not included
- 2) Wage component for Civil Part is _____ % and for Electrical Part is _____ %.
- 3) The Contractor must quote considering the prevailing minimum labour wage rate for each day of work as Rs. 0.00 only.

Note : The above two information will have to furnished by the bidder. In case of non-furnishing the same, the tender(s) will be evaluated as mentioned below :-

(a) If information against (1) is furnished in an ambiguous manner (i.e. both the options are ticked/cut or in any other manner) or not furnished, such tenders will be evaluated after loading 12% P.F. on the declared wage component of the bidder(s).

(b) If information against (2) is not furnished, such tender(s) will be evaluated considering the wage component as per wage component of _____ % on Civil part & _____ % on Electrical Part.

(c) The bids will be evaluated/compared after loading 12% P.F. on the declared wage components, wherever applicable.

(d) Offers not furnished in the above format as per instruction given shall summarily be rejected.

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WORKS CONTRACT

Particular Specifications and Instructions

Tender No.: DCC5028P10

A. SCOPE OF CIVIL WORK

1 GENERAL : All materials used in the work shall conform to the latest revision of the relevant Indian Standard Specifications to the extent practicable. Where no such specifications exist they shall be of the best quality available in the market. Wherever ISI certified materials and products are available these alone shall be used. All materials shall be stored at site in accordance with IS-4082-1977.

Unless specially provided for in the contract the tendered rates shall include the cost of carriage, transport, loading, unloading and stacking as directed for all materials required on the work. Where a tender provides a rate for transport of materials, it includes for all loading, unloading and stacking on the site in such position and manner as directed.

2.0 SITE CLEARANCE : Felling trees, including cutting and uprooting of tree stumps as and when required, cleaning grass and disposal of all debris before starting of the work and after completion of the work at contractor's own cost.

3.0 CEMENT CONCRETE/ REINFRCED CEMENT CONCRETE WORK: All C.C. work in 1:3:6 proportion shall be done with 18 mm graded down broken stone. Broken stone shall be properly screened before use. All reinforced cement concrete work to be done in prop. 1:1.5:3-- 18mm down to 12mm graded down broken stone as per related drawings and instructions of site Engineer to be followed in case of any discipencies. Proper vibration to be done as per IS recommendation. Floor panelling to be done in the line of expansion joint as directed by Engineer -incharge.

4.0 STEEL REINFORCEMENT: Steel reinforcement shall conform to IS:432 for mild steel grade and for tor steel grade Fe 415 conforming to IS:1786-1979. All reinforcement shall be placed in position and bent as per drawing. The overlap jointing shall be staggered. The bars shall be fixed with 22G binding wire. Precast cover blocks 1:2 (1 cement : 2sand) cement mortar 40 mm square and necessary thickness shall be used to keep the reinforcement bars in proper position. For this block, no extra payment to be made. Wire required for binding shall not be measured separately

5.0 FORM WORK: Form work shall conform to the slope lines and dimensions of concrete. Form work for concrete shall be seasoned timber or other approved materials as per directions of the Engineer. It shall be sufficiently tightened to prevent loss of cemnet slurry and all holes and joints shall be chaulked with putty.

6.0 CURING OF CONCRETE : Curing shall be done in accordance with IS:456 by keeping the concrete surface covered with wet hessian cloths, canvas or similar absorbent materials and kept constantly wet for a period of not less than 7 days from the date of pouring of concrete. Brick work and plastered surface to be kept wet by sprinkling with water for atleast 7 days.

7.00 MEASUREMENT & PAYMENT : Payment for all works done shall be made on the basis of actual work done as per the schedule of rates. For all extra work done on the advise of the Company"s Engineer and which is not included in the schedule of rates, deviation order for the same shall be made on the rates as decided by the Company"s Engineer.

8.00 SAFETY MEASURE : Safety measure as per OIL regulations shall be strictly adhered to by the Contractor. Safety belts and other measure taken by the Contractors shall be borne by the Contractor. If any loss or damage caused to life during the erection and execution, the contractor shall be fully responsible for the loss.

9.00 STORAGE : Materials shall be transported, handled and stored at site carefully to the approval of Engineer so as to prevent any damage of any kind to be kept at his own risk and cost.

Cement shall be stored in a weather proof shed, the floor of which shall be raised 300 mm clear from the ground and 450 mm away from the wall all round in order to protect from rain and moisture. Empty cement bag shall be returned to the Company in good condition.

10.00 Doors

i. Flush door (made of phenol bonded Duratuff exterior grade (both side) plain medium density fibre board. The door should be fixed using 4 nos. of hinges 125mm long ensuring that the hinges are not fixed less than 150mm from the edges with 8 nos. parallel sunk fully threaded screws 38mm long, should be used for fixing the hinges to the flush door after drilling a pilot hole 2.50mm dia 40mm long. Screws should not be hammered. Lock, tower bolts etc. necessary, if any to be paid separately.

ii. Door frame (Chowkaths) of door, windows, other similar works wrought, framed and fixed in position in contact with C.C. or brick masonry walls including supplying, fitting and fixing with M.S. flat hold fast (40mm x 3mm x 250mm) as per design and embedded in cement concrete block in prop 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C. and masonry as directed and specified.

GENERAL REQUIREMENTS:

i. Water supply in GI pipes as per drawing.

ii 13mm cement plaster of mix 1: 5 (1 cement:5fine sand) on fair side of brick/concrete surface.

iii 13mm cement plaster of mix 1:5 (1 cement: 5 fine sand) on rough side of brick wall surface.

iv Enamel paint over steel surfaces over a coat of approved quality primer.

v

i Making plinth protection with PCC (1:3:6) over bricks flat laid in CM 1:4 and finished with 15mm thick cement plaster in prop. 1:2 with floating coat of neat cement finish.(appron)

vi

All exposed MS members to be painted with two coats of synthetic enamel paint over a coat of primer or as directed.

vii . All wood shall be seasoned .

SANITARY AND PLUMBING WORKS :

i.Indian W.C. with low level PVC flushing cistern as per drawing.

ii. Wash basin 550mm x 400mm and flat back type at toilet as per drawings. Wash basins to be provided with C.I. brackets.

iv. Providing soap tray in the toilet.

viii. Rain water pipe (SCI pipe)

ix Gully trap

x. Inspection chambers, manholes, drainage pipes etc. as per drawings.

WATER SUPPLY

i. Medium class GI pipes with all GI fittings clamps and specials etc. for water supply lines 25mm, 20mm & 15mm

MANDATORY TESTS:

The various mandatory tests shall be carried out by the contractor and no separate payment shall be made unless otherwise specified in the schedule of rates. Following tests /test certificate to be produced by the contractor at his own cost.

(i) Water for construction and curing to be tested before use ('PH' value should not be less than 6.)

(ii) Cube test for RCC to be done as per relevent is code of practice IS 456-1978.

(iii) Test certificate for steel materials, M.S. rod, Torsteel should be produced.

(iv) T.P. challan for timber and forest produce used shall be produced.

11.1 CEMENT MORTAR :

- i) Must be freshly mixed : Cement mortar will only be mixed in such quantities as can be used up on the work within half an hour of mixing. Mortar which has been mixed longer or which has taken its initial set will on no account be used on the work or remixed with fresh mortar. It must be immediately removed from the site or work.
- ii) Method of mixing : The cement and sand will be mixed dry in the specified proportions, by turning over atleast three times on the mixing platform. Only sufficient water will then be added, thorough a rose of a watering can, to produce a workable mixture. The wet mortar will be thoroughly worked or mixed by repeatedly turning over, not less than three times on the mixing board.
- iii) Size of mixing platform and precaution against list : All mixing of mortar must be done on platforms of angle size and workman bringing the material to and from the platform must not be permitted to walk about on it, thereby bringing mud or dirt to the place, where the mortar is being mixed. The platform must be clean and level and all joints closed or filled so that the cement is not washed out.

iv) Proportion of cement and sand : Where not otherwise specified, cement mortar for plaster will consist of one part of cement to two parts of sand. For mortar for brick or stone masonry work the proportion unless otherwise specified, will be one part of cement to three parts sand

13.1 CEMENT CONCRETE

iv) Curing :

Concrete shall be carefully protected during first stage of hardening from harmful effects or excessive heat, drying winds, rain or running water and shock. It shall be covered with a layer of sacking, sand, canvas, hessian or similar absorbent materials and kept constantly wet for ten days from the date of placing of concrete. Alternatively, the concrete being thoroughly wetted and covered by layer of approved waterproof material which should be kept in contact with it for seven days.

All rubbish particularly Chippings, shavings and saw dust, shall be removed from the interior of the forms before the concrete is placed and the form work in contact with the concrete shall be cleaned and thoroughly wetted or treated with an approved composition. Care shall be taken that such approved composition is kept out of contact with the reinforcement.

In normal circumstances and where ordinary Portland cement is used form may generally be removed after the expiry of the following periods.

- a) Walls, columns and vertical face of all structural members as may be decided by the Site Engineer # 24 to 48 hours.
- b) Slabs side (props left under) 3 days
- c) Beam soffits (props. left under) 14 days
- d) Removal of props under slabs
 - i) Spanning up to 4.5 m # 14 days
 - ii) Spanning over 4.5 m # 21 days
- e) Removal of props under beams :
 - i) Spanning up to 6 m # 21 days
 - ii) Spanning above 6 m # 28 days

In no circumstances shall forms be struck until the concrete reaches a strength of at least twice the stress to which concrete may be subjected at the time of removal of form work. All form works shall be removed without such shock or vibration as would damaged the concrete. Form work for long span deep beams to be supported by MS props or Bhaluka Bamboo props as required based on the design for the formwork to take care the massive load of the green concrete.

14.1 BRICKS:

- A) All bricks shall be of 75 class designation quality locally available as approved by the Site Engineer.
- B) Bricks shall be of 225X113X75mm size or 250X125X75mm nominal size as specified in the item of work where no particular size is mentioned. Half brick wall shall be with 250X125X75mm size bricks and walls of one brick thick, bricks on end walls and brick flat paving may be done with either size of bricks.
- C) Bricks shall be well burnt, sound, hard with sharp edges of uniform size and shape free from cracks, stones or particles of lime and other defects, shall be kiln burnt and satisfy the following requirement :

- i) They shall give a clear metallic sound when struck
 - ii) They shall be of uniform colour and size
 - iii) They shall not be cracked, stratified or under or over burnt
 - iv) The tolerance in dimensions shall be +/- 12mm in length, 6mm in width and 3mm in height.
 - v) Keys or frogs shall be formed on one of the larger size, except in the case of machine extruded bricks where no frogs are required
 - vi) The increase in weight when soaked in water for 24 hours shall not be more than 20% of the dry weight of the bricks.
- D) If required by the Site Engineer necessary test shall be conducted at the contractor's expense to ensure quality. In general, the bricks shall be the best quality locally available.

15.1 BRICK WORK :

- (i) 75 designation brick work shall consist of first class bricks laid in cement mortar and as hereinafter specified.
- (ii) No bricks may be used until after they have been soaked under water for at least one hour.
- (iii) Care must be taken that the bricks are perfectly clean and free from lime, moss or dirt of any kind. If necessary they must be scrubbed before use.
- (iv) Great care must be taken to masonry in progress of construction damp. When work is left off for the day troughs shall be formed, by means of fillets of mortar 51mm high all round the unfinished work and shall be kept filled with water. Vertical or inclined surfaces must be frequently watered from a rose headed can. Water should not be dashed with violence against new work as this washes out the mortar. Should the work be delayed owing to holidays or for other reason, the contractor must make adequate arrangements for keeping the work wetted, and shall continue to do so for at least ten days or such longer time as directed, after the brickwork has been completed.
- (A) Brick work in cement mortar with 75 designation brick including racking out joints and curing complete as directed, in sub structure and superstructure in prop. 1:5
- (B) 115mm thick 75 designation brick nogged wall in cement mortar embedded with protruding M.S. rod 6mm dia in column including racking out joint and curing complete as directed in super structure above plinth in prop. 1:5.

Antitermite treatment as per APWD to be executed by reputed party

SPECIFICATION OF ELECTRICAL WORKS

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(MATERIALS & INSTALLATION)

A. MATERIALS

1. PVC CASING CAPPING & JUNCTION BOXES:

All casing capping should be of PVC approved by ISI & as specified in the BOQ. The casing capping is to be approved by engineer in-charge. All casing capping accessories like coupler, bends etc are to be ISI approved and of make as approved by engineer in- charge. Accessories are part of casing capping & no separate payment will be made for the accessories.

Plan for casing capping laying is as under.

1. Cables for supplying power to each room to be carried in one casing capping.
2. Wiring for one point or one circuit shall be laid in 20/25 mm size casing capping as mentioned in the BOQ. However, higher size of casing capping shall be used when two or more points or circuits are laid in one casing capping. Size of casing capping shall be 20/25, 25/32 mm or as required and as approved by engineer incharge. In such case each casing capping will have 30% free space for proper cooling of wires.
3. Couplers, bends and corners shall be part of the wiring and no separate payment shall be made for them.

2. SWITCH BOXES:

As described in BOQ.

3. WIRING (SUB-MAIN, CIRCUIT & POINT WIRING):

P.V.C. insulated, unsheathed, fire retardant, (FR) flexible copper conductor cables shall be used for all wiring from the distribution boards to the points and shall be laid in casing capping. Voltage grade of cable- 1100 volts. Colour code for wiring cables shall be followed. The wiring cables shall be approved by IS-694 Part-II of 1964, TAC, FIA.

4. SWITCHES AND SOCKET OUTLETS:

All switches, sockets, regulators & switchboards shall be as per detail mentioned in the BOQ. The switches & fixtures shall be approved by engineer in-charge and as per BOQ.

5. LIGHTING FIXTURE (INTERNAL):

The lighting fixtures shall be of make and cat no. as specified and shown in the drawings and schedule of items or as approved by the Engineer-in-charge. The fluorescent fixture shall be complete with Conventional copper ballasts (as per BOQ), lamps, capacitors, lamp holders, and internal wiring. All such materials and equipments shall be suitably rated and tropic proof construction, mechanical strength with instant starting gear, high power factor, having circuit to avoid stroboscopic effect all conforming to Indian Standards. Lights as per BOQ.

6. EARTHING:

All earthing conductor shall be as per detail mentioned in BOQ & IS-3043.

7. ARMOURED CABLES:

All armoured cables shall be laid by the contractor as per BOQ. PVC insulated, aluminium conductor armoured cables shall be used for supplying power from overhead line to Fuse DB in each block and for supplying power from fuse DB to individual Main Switch in each house. OIL shall supply all the armoured cables required for these jobs without any cost to the contractor.

B. INSTALLATION:

The laying of casing capping shall be done in accordance with drawings. The contractor shall prepare detailed layout drawing showing Junction boxes etc., and obtain Engineer-in-charge approval before carrying out work on site. Provisions as mentioned in NEC code shall be followed.

2. WIRING (SUB-MAIN, CIRCUIT & POINT WIRING):

PVC insulated flexible copper conductor cables shall be used for all wiring from the distribution boards to the points and shall be pulled into casing capping unless otherwise specified. All light and fan points shall have independent neutral. No reduction of strands is permitted at terminations. Suitable TBs with proper lugs shall be used for joints inside the junction boxes.

SUITABLE SIZED ELECTRO TINNED COPPER CABLE LUGS ARE TO BE USED FOR TERMINATION AT SWITCHBOARDS, SOCKET OUTLETS & LIGHT FITTINGS.

3. SWITCHES & SOCKETS OUTLETS:

Switches shall be connected on the live wire and controls of each circuit shall be continuous everywhere having no fuse or switch installed in the line excepting at the main panels and boards. All switches, sockets shall be fixed using the hardwares supplied with each switch and socket. Minimum 4 nos. of mounting screws of 38 mm length with plastic wall plugs shall be used for mounting each PVC box.

4. LIGHTING FIXTURES (INTERNAL):

Light fixture shall be fixed in a sturdy and safe manner as per best trade practice and according to the instructions of the manufacturers. Lighting fixtures which are recessed in the dropped ceiling shall be thoroughly matched and co-ordinate with the pattern and design of the dropped ceiling as shown in architectural drawings.

5. MOUNTING HEIGHTS:

The mounting height of various electrical equipment shall be as follows or otherwise instructed by the Engineer-in-Charge:

5/15 switches	-	1500 mm from finished floor level
Socket outlets	-	1500 mm from finished floor level
Ceiling fan	-	3000 mm from finished floor level
Light fixtures	-	2400 mm from finished floor level
Wall mounted light fixture-		2100 mm from finished floor level
DB	-	2200 mm from finished floor level

The above is informative only. This height may be changed as per site condition.

C. SPECIAL CONDITIONS:

1. GENERAL

- a) All tools, instruments, drill machines, ladders, ropes or any other item required for installation work shall be supplied by the contractor to its workmen. These items shall be inspected by Engineer Incharge before start of the job.
- b) These special conditions of contract shall be read in conjunction with the general conditions of contract, schedule of items. Technical specification, Drawings and other documents relating to the works and shall have preference over laid down general conditions and specifications.
- c) All electrical work shall be carried out in compliance with specifications given hereunder in this section and in compliance with Indian Standard Specifications, NEC and Indian Electricity Acts and Rules in force. The works shall also conform to any special requirement of local state electricity board and State Licensing Board. In any case, the above-mentioned rules, regulations etc. are not in accord. The decision of the Engineer-in-Charge regarding rules to be followed or manner of execution of work shall be final and binding. The work shall be executed, under the direct supervision of person holding and certificate of competency issued by the State Government, Chief Electricity Inspectorate for the type of works involved, in conformity with the best methods of modern engineering practice and to the entire satisfaction of the Engineer-in-Charge. The electricians and supervisors engaged for the electrical works shall have valid electrical licence & experience in carrying out internal electrification work. Contractor shall submit the copy of licence of his electrician and supervisor to Head (Electrical) and produce the original for verification fifteen days before starting the job. The contractor has to submit the test report at various stages of completion and after completion as per requirement of the Engineer in charge.
- d) The contractor shall provide all equipment, instruments, labour and such other assistance required by the Engineer-in-Charge for measurement of the work, materials etc.

2. MATERIALS

- a) All materials, equipment, fittings and fixtures used in electrical works shall conform to the detail mentioned in annexure & BOQ. All material shall be new, soundly and robust in construction and well finished. Surplus material after completion of work shall be taken back by the contractor and the cost shall be recovered if the

advance payment has been made earlier by the client.

b) Two numbers of samples of all materials, fittings and fixtures to be supplied by the contractor shall be submitted fifteen days before start of the work to Head (Electrical) for his approval. One sample shall be retained by the HEAD (Electrical) and the other shall be returned back to the contractor after due approval. The contractor shall not commence the work until the samples are approved in writing from the HEAD (Electrical). The contractor shall ensure that all the materials incorporated in the work are identical in all respects with the approved sample. All samples shall be returned to the contractor after completion of contract.

c) All materials shall be procured from manufacturers or from authorised dealer and all relevant documents and test certificate and guarantee certificates to be submitted by the contractor to OIL.

d) Any material proved to be of inferior quality or of counterfeit shall be replaced free of cost with the good quality/original material.

3. DRAWING:

a) The drawings, specifications and schedule of items shall be considered as a part of this contract. Any work or materials shown on the drawings but not included in the schedule of items or vice-versa, shall be executed as if specifically called for, in both without any additional cost. The contract drawings indicate the extent and general arrangement of various equipment and their wiring etc. and are essentially diagrammatic, however, any minor change if found essential to co-ordinate the installation of this work with other trades shall be made without any additional cost to the owner.

b) Layout drawings, schematic drawing, and any other drawing required for execution of the job shall be submitted by the contractor 15 days before commencement of work for approval by Head (Electrical).

4. CLARIFICATION OF DISCREPANCIES:

In case of any discrepancy between specifications etc. furnished by the Engineer-in-charge (Electrical) or disputes in respect therefore the interpretation of the Engineer-in-charge (Electrical) shall be final and binding.

5. TEST AND DOCUMENTS:

a. A site order book will be maintained at site which will be in the custody of the Engineer-in-charge (Electrical) or his representative and all instructions given to the Contractor will be recorded in the site order book and the same has to be signed by the contractor to comply with the instruction given therein.

b. After completion of the work the installation shall be tested by the contractor in the presence of the Engineer-in-charge (Electrical). The tests shall comply the I.E. Rules regulation. Test certificate shall be submitted in format as per IE Rules while handing over the installation after completion of electrification along with six copies of drawings and inventory list and guarantee certificates of ceiling fans. The Electrical works shall be treated as complete only after successful completion of all works as per BOQ and Annexure for Electrical works, acceptance of all works and materials by HEAD (Electrical) in writing and submission of all above documents to OIL along with a covering letter.

i) The result of the insulation test shall comply with the I.E.E. Regulations 1101 to 1108A and 1108B as may be applicable.

ii) Polarity test shall be carried out to ascertain that all the switches have been connected to the phase conductor(s).

In a 2 wire installation a test shall be made to verify that all switches in every circuit have been fitted in the same conductor throughout and such conductor shall be labeled or marked for connection to the phase conductor or to the non-earthed conductor of the supply.

In a 3 wire or 4 wire installation a test shall be made to verify that every non-linked single pole switch is fitted in a conductor which is labeled or marked for connection to one or the phase conductor of supply.

iii) The continuity test of the earthing system shall comply with the I.E.E. Regulations 1108 to 1109 to the latest addition.

If the results of the above tests does not comply with the I.E.E. Regulation the contractor shall be bound to rectify the faults so that the required results are obtained.

The contractor shall be responsible to provide all the necessary testing equipment etc. for carrying out the above tests.

c. The work will not be considered as complete and taken over by OIL INDIA LTD till all the components of the work after being completed at site in all respects have been inspected/tested by the Engineer-in-charge (Electrical) to his entire satisfaction and a completion certificate issued by the Engineer-in-charge (Electrical) to this effect.

6. WORK AND WORKMANSHIP:

a. The work shall be of the highest standard, both as regard its design and workmanship. Modern tools and first class, latest techniques shall be employed for its execution.

b. Any damage done to the building during the execution of work shall be the responsibility of the contractor and it shall be made good by him, at his cost, to the entire satisfaction of the Engineer-in-charge (Electrical).

c. All electrical work shall be executed by skilled and duly licensed electrician under the direct supervision of whole time electrical supervisor as defined in IE rules. Contractor shall submit the copy of licence of his electrician and supervisor to Head (Electrical) and produce the original for verification fifteen days before starting the job. The contractor shall submit list and produce requisite evidence regarding the qualifications of his supervisor and other workers before the start of the work.

d. The electrical contractor shall possess all the relevant and valid licenses as per the regulations of the Indian Electricity Rules and the Local Electrical Inspector's requirements.

e. The work shall have to be coordinated with the building work and other allied jobs/trades to the entire satisfaction of Engineer-in-charge.

f. HEAD (Electrical) shall have full right to get the materials or workmanship etc. inspected and tested by an independent agency, the Contractor's expenses in order to ascertain their soundness and adequacy.

g. The contractor shall submit, within 15 days of the award of work, a detailed schedule of programme of work.

7. SAFETY GUIDELINES

The contractor shall ensure that the following safety guidelines as regard to installation work shall be followed. Any violation of the following guidelines may lead to penalty, as deemed fit by Engineer Incharge, or termination of the contract. Any loss or damage suffered by the contractor or OIL due to any loss resulting in non compliance of any of the following guidelines shall be borne by the contractor.

(a) The contractor shall engage for the wiring and supervision job only highly skilled, competent personnel having experience of at least two years in carrying out electrical wiring job and valid supervisor, wireman license issued by Licensing Board, Assam. All jobs done by the contractor's employees must conform to all the provisions of Indian Electricity Rules, BIS, NEC and OMR.

(b) The contractor shall ensure complete safety of the personnel engaged by him, and of all the equipment they handle and must take full responsibility for their safety. Company shall not be responsible for any work accident of contractor employees.

(c) The contractor shall provide the necessary safety gears and personal protective equipment to his personnel engaged for the wiring job. The personal protective equipment (PPE)/ safety gear should include at least the following:

- i) Safety shoes
- ii) Helmet
- iii) Safety belts.
- iv) Ladder with antiskid rubber shoes.
- v) Switch Board with earth leakage circuit breaker for operation of drill machine.
- vi) Any other safety gear that may be required depending on the job nature.

(d) It will be the responsibility of contractor and his employees to use PPE and safety gears. In case the contractor employees are found to work without PPE and proper safety gears then caution letter will be issued to contractor. In case such violation is noticed on three occasions then the contractor will have to remove the concerned employee from the service. In case contractor fails to comply with this requirement than company may terminate the contract. In case the PPE and safety gears as mentioned above are not provided by the contractor to his employees then Company may terminate the contract.

(e) Before starting electrical job, the contractor employees shall isolate the power, ensure with test lamp for no power and then discharge the circuit to earth. A danger board has to be fixed on the main switch/ DB if required.

(f) All the packing material, cut ends of cables, casing capping, battens, damaged nails and screw, glass pieces of lamps and other waste materials shall be collected by the contractor employees from the work site and disposed in the dustbins.

SCHEDULE OF APPROVED MAKES OF ELECTRICAL MATERIALS:

1. Light fittings and Lamps -Philips/Bajaj/Crompton/GE.
2. Ceiling fans without Regulator-Bajaj/Usha//Orient/Havells.
3. Main Switches- GEPC/L&T/ Havells/ Crompton Greaves.
5. Switch/Switch Socket- Anchor as per BOQ.
6. Copper Flexible wire, stranded- Finolex/ Havells/L&T.
7. Casing capping/PVC Box - Presto Plast.
8. MCB DB - Legrand/ Merlin Gerin/Siemens.

B. GENERAL HEALTH, SAFETY & ENVIRONMENT POINTS :

1. It will be solely the Contractor's responsibility to fulfill all the legal formalities with respect to the Health ,Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment , the environment, etc.) under the jurisdiction of the district of that state where it is operating. . Ensure that all sub-contractors hired by him comply with the same requirement as the contractor himself and shall be liable for ensuring compliance all HSE laws by the sub or sub-sub contractors.

2. Every person deployed by the contractor in a mine must wear safety gadgets to be provided by the contractor. The Contractor shall provide proper Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and company PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness has to be DGMS approved. Necessary supportive document shall have to be submitted as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may apply to the Company (OIL) for providing the same. OIL will provide the safety items, if available. But in turn, OIL will recover the actual cost of the items by deducting from Contractor's Bill. . However , it will be the Contractor's sole responsibility to ensure that the persons engaged by

him in the mines use the proper PPE while at work.

All the safety gears mentioned above are to be provided to the working personnel before commencement of the work.

3. The Contractor shall prepare written Safe Operating Procedure (SOP) for the work to be carried out, including an assessment of risk, wherever possible and safe methods to deal with it/them. The SOP should clearly state the risk arising to men ,machineries & material from the mining operation / operations to be done by the contractor and how it is to be managed.
4. The contractor shall provide a copy of the SOP to the person designated by the mine owner who shall be supervising the contractor's work.
5. Keep an up to date SOP and provide a copy of changes to a person designated by the Mine Owner/Agent/Manager.
6. Contractor has to ensure that all work is carried out in accordance with the Statute and SOP and for the purpose he may deploy adequate qualified and competent personnel for the purpose of carrying out the job in a safe manner. For work of a specified scope/nature, he should develop and provide to the mine owner a site specific code of practice in line .
7. All persons deployed by the contractor for working in a mine must undergo Mines Vocational Training, initial medical examination, PME. They should be issued cards stating the name of the contractor and the work and its validity period, indicating status of MVT,IME & PME.
8. The contractor shall submit to DGMS returns indicating - Name of his firm, Registration number, Name and address of person heading the firm, Nature of work, type of deployment of work persons, Number of work persons deployed, how many work persons hold VT Certificate, how many work persons undergone IME and type of medical coverage given to the work persons
9. The return shall be submitted quarterly (by 10th of April, July, October & January) for contracts of more than one year. However, for contracts of less than one year, returns shall be submitted monthly.
10. It will be entirely the responsibility of the Contractor/his Supervisor/representative to ensure strict adherence to all HSE measures and statutory rules during operation in OIL's installations and safety of workers engaged by him. The crew members will not refuse to follow any instruction given by company's Installation Manager / Safety Officer / Engineer / Official / Supervisor/Junior Engineer for safe operation.
11. Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the contractor only.
12. Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the contractor.
13. The contractor shall have to report all incidents including near miss to Installation Manager / departmental representative of the concerned department of OIL.
14. The contractor has to keep a register of the persons employed by him/her. The contractor's supervisor shall take and maintain attendance of his men every day for the work, punctually.
15. If the company arranges any safety class / training for the working personnel at site (company employee, contractor worker, etc) the contractor will not have any objection to any such training.
16. The health check up of contractor's personnel is to be done by the contractor in authorized Health Centers as

per OIL's requirement & proof of such test(s) is to be submitted to OIL. The frequency of periodic medical examinations should be every five years for the employees below 45 years of age and every three years for employees of 45 years of age and above.

- 17. To arrange daily tool box meeting and regular site safety meetings and maintain records.
- 18. Records of daily attendance, accident report etc. are to be maintained in Form B, E, J (as per Mines Rules 1955) by the contractor .
- 19. A contractor employee must, while at work, take reasonable care for the health and safety of people who are at the employee's place of work and who may be affected by the employee's act or omissions at work.
- 20. A contractor employee must, while at work, cooperate with his or her employer or other persons so far as is necessary to enable compliance with any requirement under the act or the regulations that is imposed in the interest of health, safety and welfare of the employee or any other person.
- 21. Contractor's arrangements for health and safety management shall be consistent with those for the mine owner.
- 22. In case Contractor is found non-compliant of HSE laws as required company will have the right for directing the contractor to take action to comply with the requirements, and for further non-compliance, the contractor will be penalized prevailing relevant Acts/Rules/Regulations.
- 23. When there is a significant risk to health ,environment or safety of a person or place arising because of a non-compliance of HSE measures company will have the right to direct the contractor to cease work until the non-compliance is corrected.
- 24. The contractor should prevent the frequent change of his contractual employees as far as practicable.
- 25. The contractor should frame a mutually agreed bridging document between OIL & the contractor with roles and responsibilities clearly defined.
- 26. For any HSE matters not specified in the contract document , the contractor will abide the relevant and prevailing Acts/rules/regulations/ pertaining to Health, Safety and Environment.

C. The Company's Internal Estimated Rates, as indicated in Part-II, are exclusive of P.F.

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OIL INDIA LIMITED
(A Govt. of India Enterprise)
Contracts, Duliajan

WORKS CONTRACT

Schedule of company's Plants, Materials and Equipments

Tender No.: DCC5028P10

a) SCHEDULE OF MATERIALS AVAILABLE AT THE COMPANY'S STORES/STOCK PILES for permanent incorporation in works and

b) SCHEDULE OF COMPANY'S PLANTS AND EQUIPMENTS for use in the execution of work

i) Materials:- Cement.

Remarks: Cement will be issued free of cost from Company's Stores at Duliajan.

NB: All empty cement bags must be returned to Materials Godown Duliajan failing which a sum of Rs.8/-(Rupees Eight only) per bag will be recovered from the Contractor's bill.

ii) Plants and Equipments: - Nil

Remarks: Nil

NOTE:-

1. The Contractor is to arrange transport of the above company materials to site of work (up to 8 km.) and for safety thereof for which no extra payment will be made.
2. If the materials listed above are not available suitable substitute will be provided by the Company and Contractor shall incorporate the same in the works without extra cost.
3. Containers must be returned to Company in good condition.
4. Plants and equipments issued to Contractor must be under proper watch so that no part is pilfered. These must be handled only by Company's operators. Contractor shall be responsible for any loss or damage to these plants and equipment while these are under his/their custody.
5. Cement issued to Contractor by the Company is meant only for the specific Company work relating to the Contract. However, if any quantity of Cement is left over from the quantities issued for any reason whatsoever, on the completion / cancellation / termination of the Contract the same shall have to be returned to the Company in full within one week of completion/cancellation of the work failing which the matter will be referred to appropriate Govt. authorities for legal action as well as realization of the Cement.
6. All other materials issue to the Contractor by the Company if subsequently found to be in excess of the actual requirement will have to be returned by the Contractor within two weeks of completion of the work failing which the cost of all such materials will be recovered from the Contractor at double the value of materials without any reference to him.

To
 RESIDENT CHIEF EXECUTIVE
 Oil India Limited
 DULIAJAN

SUB:SAFETY MEASURES
Tender No : DCC5028P10

Description of work/service :

CONSTRUCTION OF ADDITIONAL 24 UNITS(4 BLOCKS) BX-TYPE QUARTERS FOR CISF AT DULIAJAN INCLUDING INTERNAL ELECTRIFICATION AND SUPPLY OF ALL MATERIALS EXCEPT CEMENT.

Sir,

We hereby confirm that we have fully understood the safety measures to be adopted during execution of the above contract and that the same have been explained to us by the concerned authorities. We also give the following assurances.

a) Only experienced and competent persons shall be engaged by us for carrying out work under the said contract.

b) The names of the authorised persons who would be supervising the jobs on day to day basis from our end are the following

i) _____

ii) _____

iii) _____

The above personnel are fully familiar with the nature of jobs assigned and safety precautions required.

c) Due notice would be given for any change of personnel under item(b) above.

d) We hereby accept the responsibility for the safety of all the personnel engaged by us and for the safety of the Company's personnel and property involved during the course of our working under this contract. We would ensure that all the provisions under the Oil Mines Regulations,1984 and other safety rules related to execution of our work would be strictly followed by our personnel. Any violation pointed out by the Company's Engineers would be rectified forthwith or the work suspended till such time the rectification is completed by us and all expenditure towards this would be on our account.

e) We confirm that all persons engaged by us would be provided with the necessary Safety Gears at our cost.

f) All losses caused due to inadequate safety measures or lack of supervision on our part would be fully compensated by us and the Company will not be responsible for any lapses on our part in this regard.

(Seal)

Yours Faithfully

Date_____

M/s_____

CONTRACTOR
 FOR & ON BEHALF OF