



Balmer Lawrie & Co Ltd
(A Government of India Enterprise)
SBU : Refinery and Oil Field Services
21, Netaji Subhas Road
Kolkata - 700 001

Civil, Piping, Electrical & allied work

for

Handling and Processing of Oily Sludge

at

Oil India Limited, Dikom, Dibrugarh, Assam

Tender No. : ROFS/2K17/02/ENQ/02 dated 05.04.2017

Due Date & Time of submission : 18.04.2017 at 14.00 Hrs.

Date & Time of Opening : 18.04.2017 at 15:00 Hrs.

PART – I (UNPRICED PART)



Balmer Lawrie & Co. Ltd.
SBU : Refinery & Oil Field Services

INSTRUCTIONS TO BIDDER

TENDER NO. : ROFS/2K17/02/ENQ/02 DUE ON : 18.04.2017
FOR
CIVIL, PIPING, ELECTRICAL & ALLIED WORKS AT OIL INDIA
LIMITED, DIKOM, DIBRUGARH, ASSAM

1.0 PROCEDURE FOR BID SUBMISSION

The Tender Document comprises of two Bids viz Unpriced Part – I and Priced Part – II. The submission of offer can be made in two forms either through e-bidding or in physical form as follows :

1.1 BID SUBMISSION THROUGH E-BIDDING

The bidders shall submit their response through bid submission to the tender on e- Procurement platform at <https://balmerlawrie.eproc.in> by following the procedures and steps given below. The bidders would be required to register on the e-procurement market place <https://balmerlawrie.eproc.in> and submit their bids on line. The bidders shall submit offer comprising Notice Inviting Tender, pre-qualification documents, Vendors' Information, Annexures, EMD details in the standard formats prescribed in the Tender documents displayed in e-Procurement web site. The bidders shall download all the above documents, upload the same along with scanned copies of all the relevant certificates, documents etc., duly stamped and signed, in support of their eligibility criteria/NIT in the e-Procurement web site. However, bulky documents need not be scanned and uploaded but physical copy of the same along with Unpriced Bid (Part-I) of the Tender Document, duly stamped and signed should be sent to the Tender Inviting Authority before the tender opening date along with EMD amount. Similarly, Priced Bid should be downloaded, filled it up and uploaded in the specific online folder maintained at Balmer Lawrie's e-procurement site. No physical copy of the Priced Bid should be submitted by the vendors opting for e-bidding.

1.1.1 REGISTRATION WITH E PROCUREMENT PLATFORM

For registration and on line bid submission bidders may contact HELP DESK of M/s C1 India Pvt., Ltd., Shri Tuhin Ghosh, Mobile No. 08981165071, Shri Ujjal Mitra, Mobile No. 07702669806 or, Ritabrata-

Chakraborty, Mobile No. 8697910411 and register themselves on line by logging in to the website <https://balmerlawrie.eproc.in>

1.1.2 DIGITAL CERTIFICATE AUTHENTICATION

The bidder shall authenticate the bid with his Digital Certificate for submitting the bid electronically on e-Procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-Procurement platform.

All the bidders who do not have Digital Certificates need to obtain Digital Certificate. They may contact Help Desk of C1 India Pvt. Ltd.

1.1.3 SUBMISSION OF HARD COPIES

After submission on-line bid, the bidders are requested to submit the demand draft towards EMD along with original Affidavit and pre-qualification & documents which could not be uploaded due to its bulkiness to the Tender Inviting Authority on/before the due date of opening date under cover of Unpriced Bid, Part - I. These can be submitted either in person or through courier or by post. Under no circumstances, physical copy of Price Bid should accompany with these documents.

Balmer Lawrie shall not take any responsibility for any delay or non-receipt of said documents. If any of the documents furnished by the bidder is found to be false/ fabricated, the bidder is liable for black listing, forfeiture of the EMD, cancellation of work and criminal prosecution.

The bidder is requested to get a confirmed acknowledgment from the Tender Inviting Authority as proof of submission of hard copies.

1.1.4 CORRIGENDUM TO TENDER

The bidder has to keep track of any changes by viewing the addendum/ Corrigendum's issued by the Tender Inviting Authority from time-to-time in the e-Procurement platform. No separate newspaper advertisement will be published in this regard. The Company calling for tenders shall not be responsible for any claims/problems arising out of this.

1.1.5 BID SUBMISSION ACKNOWLEDGEMENT

The user should complete all the processes and steps required for bid submission. The successful bid submission can be ascertained once acknowledgment is given by the system through bid submission number after completing all the processes and steps. Tender Inviting Authority and C1 India Pvt. Ltd. will not be responsible for incomplete bid submission by users. Users may also note that the incomplete bids will not be saved by the system and are not available for the Tender Inviting Authority for processing.

Before uploading scanned documents, the bidders shall sign on all the statements, documents, certificates uploaded by him, owning responsibility for their correctness/authenticity.

1.1.6 DISCLAIMER CLAUSE

The Company (Balmer Lawrie & Co. Ltd.) nor the service provider (C1 India Pvt. Ltd.) is responsible for any failure of submission of bids due to failure of Internet or other connectivity problems or reasons thereof.

1.2 BID SUBMISSION IN PHYSICAL FORM

Bidders interested to participate in this tender in physical form can access to company's website: www.balmerlawrie.com and download the tender document. Offers are to be submitted under two separate sealed envelopes as per the following:

- i) Unpriced Bid – Part – I - comprising Notice Inviting Tender (NIT), Instruction to the Bidders, Vendor's Information, Annexures are to be submitted duly stamped, signed and filled in (wherever required) along with all prequalification documents, EMD etc. No Priced Bid should accompany in this Part. Un-Priced Bid containing the Price Bid shall be summarily rejected.
- ii) Priced Bid – Part – II – Priced Bid duly filled in with rates against each category should be submitted in sealed envelope.

Unpriced Bid and Price Bid should be sealed in two separate envelopes. Thereafter, both the envelopes should be put in a big envelope. Subscribing Tender No., Date, Due Date and Bid No. (Unpriced and Price) on all the three envelopes. A copy of Price Part without any rates/ figure but duly stamped and signed, should accompany along with Unpriced Bid. Priced bid shall be filled up with price figures only in the given schedule.

Fax/e-mail offers shall not be accepted. The company will not accept any responsibility for any delay in receipt or non-receipt of bidding document sent by post. Offers not conforming to the above mentioned requirements are liable to be rejected.

Detailed offer complete in all respects as stipulated in the tender should reach the Bid Inviting Authority at the following address within the due date and time:

Vice President (ROFS & Projects)

Balmer Lawrie & Co. Ltd.

SBU : Refinery & Oil Field Services

21, Netaji Subhas Road

Kolkata – 700 001

Phone : (033) 22225706

e-mail id : mondal.cr@balmerlawrie.com

1.3 OPENING OF TENDER

The Unpriced Offers (Part- I), both on-line and offline, will be opened on the due date and time as mentioned in the NIT No separate intimation will be sent to the bidders in this regard. Bidders who shall submit their bids in physical form may attend to witness the Unpriced bid opening on the due date and time at the above address with authorisation letter.

Priced Offers of qualified and eligible bidders will be opened on a different working day within the business hours of 09.30 to 18.30 Hours for which intimation will be send separately. . Both priced and unpriced offers, in physical form shall be opened at the above address.

Thanking you,
for, **BALMER LAWRIE & CO. LTD.**

(A MUKHOPADHYAY)
SENIOR VICE PRESIDENT (TECHNICAL)



Balmer Lawrie & Co. Ltd.
SBU : Refinery & Oil Field Services

NOTICE INVITING TENDER

TENDER NOTICE NO. : ROFS/2K17/02/ENQ/02

DUE ON 18.04.2017 UPTO 14:00 HOURS
DATE & TIME OF OPENING OF TENDER : 18.04.2017 AT 15:00 HOURS

M/s BALMER LAWRIE & CO. LTD. (BL) invite ONLINE or, Physical BIDS from experienced, competent and resourceful contractors with sound technical and financial capabilities for civil, piping, electrical and allied works at M/s Oil India Limited, Dikom, Dibrugarh, Assam.

SCOPE OF WORK

The tender under reference covers construction and maintenance of infra-structural facilities for oily sludge processing plant. The job covers Civil, Piping, Electrical and Allied works pertaining to plant / equipment, site development etc as mentioned in the technical specification, condition of contract, schedule of work and drawings.

COMPLETION PERIOD

The job will be carried out in phased manner as and when required within the span of 02 (two) years with a provision for extension to another year with same rates and terms & conditions.

PRE-QUALIFICATION CRITERIA

Average annual turnover of the tenderer shall be minimum of Rs 30.0 lacs during last three financial years ending 31st March, 2016.

The tenderer should have successfully executed multi disciplinary work comprising Civil, Piping & Electrical work of following values during past seven (07) years ending 31st March, 2016.

- a. 3 jobs each of value not less than Rs 7.5 lacs or,
- b. 2 jobs each of value not less than Rs 12.5 lacs or,
- c. 1 job of value not less than Rs 20 lacs

Copy of work orders and completion certificates from the owner or, from their consultant, PF, ESI (if applicable), Service Tax Registration Certificate & copy of PAN card should be enclosed as supportive documents.

EARNEST MONEY DEPOSIT

Unpriced Part should be accompanied by a Bank Draft of **Rs 12500.00 (Rupees twelve thousand five hundred only)** towards earnest money deposit executed by any scheduled bank drawn in favour of "Balmer Lawrie & Co. Ltd." payable at Kolkata.

SUPPLY OF MATERIAL

All materials required for the work shall be supplied by the contractor.

INCIDENTAL CHARGES

All incidental charges shall be borne by the contractor.

PAYMENT OF WAGES

All workmen deployed by the contractor should have a Bank Account. Payment of wages to drivers/workers should be made through Electronic remittance directly to their bank accounts. A copy of remittance along with Wage Register & PF Challans should be submitted along with every RA Bill.

TAXES & DUTIES

Rates should include all taxes & duties as applicable excluding Service Tax / Goods & Services Tax (GST).

Prices should firm till the completion of the job and no escalation for any reason, whatsoever, will be granted. However in view of the revision in tax policy with the implementation of GST, vendors need to comply with the same as per statute for claiming their invoices.

PAN, SERVICE TAX & VAT REGISTRATION, ESI & PF REGISTRATION

Tenderer are requested to submit PAN, Sales Tax Registration, Service Tax Registration, ESI (if applicable) and Provident Fund registration along with Un-priced part of their offer, failing which their offer may be liable to be rejected.

NON-CONFORMANCE

Tenders not conforming to the above mentioned requirements are liable to be rejected.

VALIDITY OF OFFER

Tenderer shall keep their offer valid for a period of 90 (ninety) days from the date of opening of bid.

RIGHT OF ACCEPTANCE / REJECTION

M/s Balmer Lawrie & Co. Ltd. reserves the right to accept or reject any tender either in part or in full without assigning any reason whatsoever.

CONFLICT OF INTEREST

The bids of any Tenderer may be rejected if a conflict of interest between the bidder and the company is detected at any stage.

OPENING OF TENDER

The Unpriced Bids will be opened on the due date and time as mentioned in the NIT and also in Balmer Lawrie's e-procurement and Website. No separate intimation will be sent in this regard. Bidders who shall submit their bids in physical form may attend

to witness the bid opening on the due date and time at the above address with authorisation letter.

Priced Bids of qualified Bidders will be opened on a different date for which separate intimation will be given to witness the opening.

Please acknowledge receipt and confirm your participation in this tender.

Thanking you,

Yours faithfully,
for **BALMER LAWRIE & CO. LTD.**

(A MUKHOPADHYAY)
SENIOR VICE PRESIDENT (TECHNICAL)

CONDITIONS OF CONTRACT

1.0 DEFINITIONS

The following expressions hereunder and elsewhere in the contract documents used shall have the following meanings respectively assigned to them namely,

- 1.1 The "Owner/Client" shall mean **M/s. Balmer Lawrie & Co. Ltd**; a company incorporated in India and having its Registered Office at 21, Netaji Subhas Road, Kolkata - 700 001, and shall include its successors and assigns.
- 1.2 The 'Project' shall mean **"Civil, Piping, Electrical & Allied work at M/s. Oil India Limited, Dikom, Dibrugarh site, Assam"**.
- 1.3 The 'Engineer-In-Charge'/ 'Engineer' shall mean the Engineer / Officer authorised by the Owner for the purpose of the contract for overall Supervision and Co-ordination of site activity and certification of billing.

2.0 DETAILS OF HARD COPIES TO BE SUBMITTED ALONG WITH THE TENDER

The tender, as submitted, shall consist of the following:

- (a) Hard copy of Un-priced Tender Document duly filled in, stamped and signed by the Tenderer as prescribed in different clauses of Tender documents. For online bid no hard copy of priced bid shall be submitted. Priced bid shall only be submitted online. The price bid excel file in pdf format shall be downloaded from the website, bidder to fill in their rates & amounts on hard copy, stamp, sign, scan and upload the same. Or, for physical bid, price bid shall be submitted in hard copy in sealed envelope.
- (b) Power of Attorney or other proof of authority (or a copy duly attested by a Gazetted Officer) of the person who has signed the tender,
- (c) Audited annual turnover for past three (3) years ending 31.03.2016,
- (d) Details of similar work done in past seven (7) years by the Tenderer,
- (e) PAN / Sales Tax registration / PF/ Service Tax / ESI Registration (if applicable) etc.
- (f) Other documents invited as per notice inviting tender.

3.0 RATES AND OTHER ENTRIES

- (a) The tenderer should quote for all items in the Schedule of Rates. The rate should be expressed in English both in figures and words. Where discrepancy exists between the two, the rates expressed in words will prevail. Similarly if there is any discrepancy between unit rate and total amount, the unit rate will prevail,
- (b) The rates should be quoted in the same units as mentioned in the tender schedule of quantities,
- (c) All entries in the tender documents should be in ink / type. Corrections if any should be attested by full signature of the Tenderer,
- (d) Every page of the tender document including annexure / enclosures shall be stamped and signed by the tenderer or his authorised representative thereby indicating that each and every page has been read and the points noted.

4.0 RIGHT TO ACCEPT OR REJECT TENDER

The Owner reserves the right to accept or reject any or every tender without assigning any reason whatsoever / or to negotiate with the tenderer(s) in the manner the Owner considers suitable.

5.0 SECURITY DEPOSIT

5.01 On acceptance of the Bid, Contractor shall within ten (10) days, deposit with the Owner a Security Deposit of **2.0%** of the Contract value and the same shall be in the following:

- a) Bank draft drawn on a Kolkata Branch of any Scheduled Bank in favour of **Balmer Lawrie - & Co. Ltd.**

No interest shall be payable against Security Deposit.

6.0 WATER AND POWER

Contractor shall require to arrange construction water and power at their cost.

7.0 ACCESS TO THE SITE

Contractor shall visit the site and familiarise themselves thoroughly with the site conditions before submitting the tender. Sri M K Jana (mob no. 87238 91998) may be contacted to organise site visit at following address:

Oil India Ltd. near Oil collecting station, Dikom, Dist. : Dibrugarh, Assam.

8.0 SUPPLY OF MATERIAL

8.1 All materials required for the work shall be supplied by the contractor. Payment shall be made based on payment terms furnished elsewhere

in the tender. In addition, all materials required for temporary and enabling work shall be arranged and provided by the Contractor. All incidental expenses, loading, unloading, transportation, handling, storage after delivery etc. shall be the responsibility of the contractor and cost towards such expenses should be included in the finished item rates.

- 8.2 Theoretical consumption of steel shall include all authorised laps, supports chairs etc. as incorporated in permanent works though supports, chairs etc. are not measured for the payments. The weight of reinforcement shall be calculated wherever necessary on the basis of unit weight as per IS Handbook. If sections are different from IS section, then Manufacturer's Handbook shall be adopted. No allowance in unit weight shall be made for rolling tolerance.
- 8.3 All materials, as required to complete the work in all respects according to the contract rates shall be inclusive of all freights, WCT, CST, VAT, service tax, CESS, excise, Octroi and other taxes, duties, royalties, loading, unloading, transporting, handling and storage charges etc.
- 8.04 Reinforcement steel shall be of grade Fe415/Fe500, TMT bar of make SAIL, TISCO, IISCO, RINL, ESSAR, JINDAL or approved equivalent. Structural steel shall have minimum yield strength of 250 Mpa conforming to IS-2062 of make SAIL, TISCO, IISCO, RINL, ESSAR, JINDAL or approved equivalent
- The cement shall be Ordinary Portland Cement PPC of make Ultra Tech, ACC, Star, Topchem or, approved equivalent.

9.0 ON ACCOUNT PAYMENTS

- 9.1 On Account payments will be made to the Contractor during the - progress of the work on the basis of Running Account Bills raised by the Contractor monthly or otherwise as the Engineer-In-Charge may specify in this regard, signed and dated jointly.
- 9.2 All on account payments shall be subjected to deduction therefrom of all dues to the Owner, advance, retention money and other money deductible within the provisions of this contract and as per Section 194-C of Income Tax Act, or any other Law, Rule or Regulation for the time being in force along with the recovery towards the adjustment of secured advance if any.
- 9.3 In the event of delay in payment no interest shall be payable.

10.0 EXTRA ITEMS OF WORK

During the course of execution of the work, should the contractor come across items of work which are not covered under the Schedule of Rate or not included therein, the Contractor shall draw the attention of the Owner / Engineer-In-Charge to the same and such items of work shall be treated as extra only with the prior approval of Engineer-In-Charge in writing. Contractor shall submit a quotation along with

the rate analysis for such accepted extra items before he commences work or purchases the materials in connection with such items.

For extra item/s of work, rate/s shall be derived from similar item rate/s included in the schedule of work. Where there is no such similar item available in the schedule, rate/s shall be analysed as follows:

Rate for extra item = Cost of material (a) + cost of labour inclusive of all necessary tools, tackles, equipment, machinery and consumable (b) required to carry out the work + 15% of (a+b) towards profit and overhead + taxes, duties etc.

11.0 TAXES & DUTIES

Rates shall be inclusive of all taxes, duties, levies, Cess, WCT, VAT, Service Tax, Building Cess etc. as applicable. However, in view of the revision in tax policy with the implementation of GST, vendors need to comply with the same as per statute for claiming their invoices.

12.0 LABOUR LAWS

- (i) No Labour below the age of eighteen (18) years shall be - employed on Work,
- (ii) Contractor shall not pay less than what is provided under law to labourers engaged by him on Work,
- (iii) Contractor shall at his expense comply with all labour laws and keep Owner indemnified in respect thereof,
- (iv) In addition to above, rules and regulations as contained in Contract Labour (Regulation and Abolition) Act, 1970 will also be applicable for this contract. For the - purpose of registration- as per the above Act, Contractor may contact Owner for further details,
- (v) Contractor shall secure full safety of the workers / employees engaged by him in the Site premises and shall take at his own cost, insurances and such other safety regulations for the said purpose.

13.0 IMPLEMENTATION OF APPRENTICES ACT 1964

Implementation of apprentices Act 1964 shall be strictly adhered to.

14.0 INSURANCE & INDEMNITY

Contractor shall at his own expense carry out and maintain Insurance with reputable companies to the satisfaction of the Owner as follows:

(i) Workmen's Compensation Insurance.

Contractor shall obtain Workmen's Compensation and Employees' Liability Insurance Policy in his name in respect of contractor's workmen to be engaged for the work towards compensations as admissible under the Workmen's Compensation Act, 1923 and Rules framed thereunder upon death / disablement and also medical

treatment of a worker and the same has to be produced to the Engineer-in-Charge before start of the work. Balmer Lawrie should be declared as Principle Contractor in the policy.

15.0 TERMS OF PAYMENT

15.1 90% payment on running account bills shall be released within twenty (20) days on submission of the invoice based on certified joint measurements with all supporting documents as mentioned below :

- (i) Wage Register
- (ii) Attendance Register
- (iii) PF Challan with ECR copy
- (iv) ESI Challan with ECR copy (if ESI is not applicable, contractor should take insurance coverage for medical and accidental benefits for the workmen)
- (v) Workmen Compensation Policy

Bill without the above documents will not be accepted / processed for payment.

15.2 Balance **10%** of the payment of gross amount billed will be withheld as "**Retention Money**" and will be released after completion of defect liability period, which shall be **Six (6) months** from the date of issue of completion certificate by the Engineer-in-Charge. During payment of monthly running account bills, the initial Security Deposit will be - adjusted first towards 'Retention Money', but in no case total retention including Initial Security Deposit shall exceed 10% of the executed – value of work at any stage. The Retention Money shall be released only after successful completion of defect liability period.

16.0 ARBITRATION

Any dispute or difference arising out of the contract/agreement shall be referred for adjudication to a Sole Arbitrator to be appointed jointly by both the parties in terms of Arbitration and Conciliation Act 1996 (as amended). Arbitration proceedings shall be conducted in English language and place of arbitration will be Kolkata. The Arbitrator so appointed will pass a speaking award which will be binding on both the parties. Cost of Arbitration will be shared equally between the parties, unless agreed otherwise.

17.0 JURISDICTION

Notwithstanding anything contained in any other law, the courts in the city of Kolkata along shall have jurisdiction in respect of all or, anything arising under this agreement and any award or, awards made by the sole arbitrator hereunder shall be filed in the courts in the city of Kolkata only.

18.0 TERMINATION OF CONTRACT

In case of violation/breach of any agreed terms and conditions of contract and persistently failure/negligence to observe and perform all or any of the acts, deeds, matters or things to be- observed and performed by the Contractor requiring the Owner to observe or perform the same, BL may cancel/terminate this contract . In such case, the Security Deposit of the contractor will be forfeited by Balmer Lawrie (BL).

19.0 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 Balmer Lawrie & Co. Ltd. and set off against any claim of Balmer Lawrie & Co. Ltd.(or such other person or, persons contracting through Balmer Lawrie & Co. Ltd.) for payment of a sum of money arising out of this contract or under any other contract made by the Contractor with Balmer Lawrie & Co. Ltd. (or such other person or persons contracting through Balmer Lawrie & Co. Ltd.)

20.0 TENDER SUBMISSION

Offers should be submitted either online to our e-procurement portal <https://balmerlawrie.eproc.in> or, in physical form after downloading from company's website: www.balmerlawrie.com to our Bid Inviting Authority :

Senior Vice President (Technical)

Balmer Lawrie & Co. Ltd.

SBU : Refinery & Oil Field Services

21, Netaji Subhas Road

Kolkata – 700 001

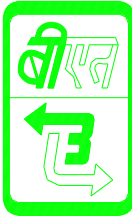
for **BALMER LAWRIE & CO. LTD.**

(A MUKHOPADHYAY)

SENIOR VICE PRESIDENT (TECHNICAL)

BIDDER'S INFORMATION

Sl. No.	PARTICULARS	DETAILS (to be filled up by Bidder)
1.0	Name of the Company / Firm	
1.1	Full Address of Branch Office	
1.2	e-mail ID	
1.3	Contact Person	
1.4	Landline number	
1.5	Mobile number	
1.6	FAX number	
1.7	Service Tax Registration no.	
1.8	PAN number	
1.9	CST number	
2.0	VAT number	
2.1	Is your company MSME Unit ? If yes, please provide details and attach valid Certificate.	
2.2	Is / are Proprietor/s belong to SC / ST category ? If so, please provide details.	
2.3	PF Registration number	
2.4	ESI Registration number	
2.5	Name of Banker	
2.6	Branch	
2.7	Branch Code	
2.8	IFSC number	
2.9	MICR Code	
3.0	Account number	
3.1	Type of Account (Current / Savings etc.)	



Balmer Lawrie & Co Ltd
(A Government of India Enterprise)
SBU : Refinery and Oil Field Services
21, Netaji Subhas Road
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Civil, Piping, Electrical & allied work

for

Handling and Processing of Oily Sludge

at

Oil India Limited, Dikom, Dibrugarh, Assam

Tender No. : ROFS/2K17/02/ENQ/02

Due Date & Time : 18.04.2017 at 14.00 Hrs.

Date & Time of Opening : 18.04.2017 at 15:00 Hrs.

PART – II (PRICED PART)

Stamp & Signature of the Tenderer

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	SCHEDULE OF WORK - CIVIL - PART A				
1.0	EARTHWORK				
1.1	Earthwork in excavation in all types of soil in foundation, trenches, drain, etc. up to a depth of 1.5 M from ground level, grade, dressing and providing necessary slope etc. complete as per specification and directions of Engineer-in-Charge both dry and wet conditions including dewatering, slush removal, shoring etc. complete, stacking of good excavated material and reused for back filling in foundation, trenches, plinth and under floors etc. with excavated soil in layers not exceeding 200mm in depth with selected excavated materials, watering, compacting and dressing the top surface to correct grade and level, all materials and labour complete and stackup within a lead of 100m or disposal of unused earth at contractor's place as directed by the Engineer in Charge.				
a)	Excavation in all types of soil including soft rock as per specification.	CuM	25		
1.2	Earthwork in filling in site development work etc. with good excavated earth or borrowed earth from contractor's place filling in layers watering, compacting with mechanical compactor, rolling with 8T/10T rollers and dressing the top surface to correct grade, level and slope, all materials, labour, transport, complete.	CuM	100		
2.0	PLAIN & REINFORCED CONCRETE				
2.1	Providing, mixing, compacting laying in position and curing ordinary lean concrete at all depths below foundations, rafts, pavement, floor etc. including shuttering complete as per specifications and as directed by Engineer-in-Charge.				
a)	Mix 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal maximum size)	CuM	2		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
2.2	Providing, machine mixing, placing, compacting and curing nominal mix concrete in foundation, grade slab, pedestal, Lintel, Chajja and other structure including forming pockets for fixing bolts, providing grooves, holes etc. for all levels above and below ground level with all materials and labour as per specification and as directed by Engineer-in-Charge				
a)	1:1.5:3 mix with 20mm & down stone aggregates	CuM	2		
2.3	Providing, bending, binding and laying in position, reinforcement as per drawings at all elevations including removal of scales, dust, grease etc. and rendering of surface, placing concrete cover blocks, chair supports etc. complete with preparation of bar bending schedules and obtaining approval for the same.				
a)	Ribbed Tor steel or equivalent HYSD bar of Fe 415 / Fe 500 grade of approved make.	Kg	100		
2.4	Providing, erecting and removing formwork of approved quality at all elevations for concrete work including shuttering, propping, removal of formwork and rendering of surface as per specification.				
a)	Ordinary formwork	SqM	20		
2.5	Providing, fabricating and installation complete, true to line and level, in cement concrete or masonry, misc. mild steel inserts , lugs for gate column. The outer faces of inserts to be made clean to the satisfaction of the Engineer. Applying two coats of synthetic enamel paint over one coat of approved primer on exposed surface.	Kg	20		
2.6	Providing and laying HDPE sheet of thickness not less than 2mm, inside the existing underground tank bottom and wall, with necessary lapping on all sides and fixing by required nails with washer complete with all materials and labour as per the satisfaction of the Engineer. (Measurement shall be made on basis of covered area).	SqM	300		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
3.0	MASONRY WORK				
3.1	Providing & laying in position picked jhama 2nd class clay brick soling under foundation or paving including ramming and dressing bed to proper level and filling interstices with 1:6 cement sand mortar with all materials and labour complete as per drawing and specification and as directed by the Engineer-in-Charge.				
a)	Brick flat soling	SqM	65		
b)	Brick on edge soling	SqM	25		
3.2	Supplying and laying in position brick work , one brick thick or more with locally available approved quality brick below and above ground level in cement sand mortar (1:6) including necessary scaffolding, mixing mortar, laying bricks, raking out joints, curing etc. with all materials and labour complete as per drawing and specification.	CuM	6		
3.3	Supplying and laying in position brick work with locally available approved quality bricks in half brick thick wall above ground level in cement-sand mortar (1:4) with H.B netting at every fifth layer including necessary scaffolding mixing mortar, laying bricks, racking joints, water curing etc. with all materials and labour complete as per drawing and specification.	SqM	15		
4.0	FINISHING, PAINTING & FLOORING				
4.1	Providing, mixing and laying cement-sand plaster to masonry and concrete surfaces at all elevations including curing and necessary scaffolding, making grooves, drip molds etc. and with all material & labour complete as per specification and as per direction of Engineer-in-charge.				
a)	Min. 15mm thick 1:6 cement-sand mortar (1 cement : 6 coarse sand) for interior wall	SqM	44		
4.2	Pointing on exterior exposed wall of brickwork with cement mortar 1:3 (1 cement : 3 sand) for flush/ ruled / struck or weathered pointing.	SqM	44		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
4.3	Providing and applying two(2) or more coats of lime washing white/ colour to give an even shade over interior wall surface at all elevations, including preparation of surface, scaffolding etc and with all material and labour complete as per specification and direction of Engineer-in-Charge	SqM	44		
4.4	Providing and laying average 25mm thick cement concrete flooring / skirting / dado (IPS) to be cast in panel with underbed of 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate) concrete using 10mm nominal size stone aggregate including approx. 3mm thick topping finished with a floating coat of neat cement, including providing slope, water curing finishing, rounding corners and joints etc. complete as per specification and direction of Engineer-in-Charge.	SqM	10		
5.0	DOORS AND WINDOWS				
5.1	Providing and fixing in position heavy duty PVC doors of "SINTEX" or equivalent make with PVC frames, holdfasts, fittings and fixtures and locking arrangement etc. complete with all materials and labour as per specifications, drawings and the direction of the Engineer-in-Charge.	SqM	1.6		
5.2	Supplying and fixing Openable steel casement windows with all necessary hardware, fittings, mastic putty etc. all complete, including 1 (one) coat of primer and two (2) of approved synthetic enamel paint, 12mm square MS guard bar welded at 100 mm c/c and with approx. 4mm thick frosted glass pane all as per drawing, detailed specification and as directed by the Engineer-in-Charge	SqM	1		
6.0	SANITARY FITTINGS, WATER SUPPLY AND DRAINAGE				

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
6.1	Providing & fixing Unplasticized Polyvinyl Chloride (UPVC) pipes having for water supply including all UPVC plain and brass threaded fittings including fixing of pipes with clamps at one metre spacing. This includes jointing the pipes and fittings with one step UPVC solvent cement trenching, refilling and testing the joints complete as per direction of Engineer-in-Charge.				
a)	15mm nominal outer dia. Pipe	RM	20		
b)	20mm nominal outer dia. Pipe	RM	50		
6.2	Providing and fixing PVC stop cock with all materials and labour complete as per specification and instruction of Engineer-in-Charge.				
a)	15mm dia	No	2		
6.3	Providing and fixing PVC bib cock with all materials and labour complete as per specification and instruction of Engineer-in-Charge.				
a)	15mm dia	No	2		
6.4	Providing and fixing brass full way gate valve with CI wheel of approved quality (screwed end) complete as per specification and instruction of Engineer-in-Charge.				
a)	25 NB	No	1		
6.5	Providing and constructing following size inspection chambers with 250mm thick brick masonry in 1:4 cement mortar, excavation, 100mm thick PCC 1:3:6 bed, Av. 12mm thk. plastering (1:4) with neat cement finish, 450 dia. medium duty PVC manhole cover with frame etc. complete.				
a)	600 x 600 mm (Internal dimensions) upto 750 mm depth	No	2		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
6.6	Construction of septic tank as per approved drawing with brick masonry chambers covered with RCC slab including suppling, fitting and fixing of all necessary connection of inlet, outlet with 100mm dia. Stoneware tees, CI foot rest , 100mm dia. PVC vent pipe with Cone Cowl cap etc.complete with earthwork in excavating earth in all shots of soil, shoring, bailing and pumping out water as necessary, ramming, dressing the bed and backfilling the sides of the tank with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber backfilling, bailing out water and clearing of site complete in all respect as directed by Engineer-in-Charge.				
a)	10 users of internal size 900mm wide x 2000mm long x 1000mm liquid depth and 300mm free board with i) 250mm thk. Brick peripheral wall in cement mortar (1:4). ii) 150mm thick PCC (1:3:6) bed over 75mm thick brick flat soling. iii) 100mm thk. RCC top slab with necessary reinforcement upto 1% and shuttering. including 1 no. embedded 450mm dia. medium duty PVC manhole cover with frame iv) Av. 19mm thk. cement plaster (1:4) with neat cement finish.	No	1		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
6.7	Construction of circular soak well of 1.00 metre inside dia. x 2.5 metre deep in all types of soils with 250mm thick dry brick work upto 1.6 metre from the bottom having 250mm thick x 150mm high intermediate cement brick work (1:6) band all round and 250mm thick cement brick work (1:6) upto 0.90 metre from top with 19mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 12mm thick cement plaster (1:4) on outer face from top of well upto GL and 6mm thick cement plaster (1:4) on top of the RCC cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50mm to 63mm size) including 100mm thick RCC cover slab with cement concrete (1:2:4) with 20mm & down stone aggregates with necessary reinforcement upto 1% and shuttering including one 450mm dia. medium duty PVC manhole cover with frame of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements of pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. all complete as per the approved drawing and as directed by the Engineer-in-Charge.	No.	1		
6.8	Supply and Installation of Bore well :	LS	1		
	4" dia tube well, 30M depth (max) by water jet system with water discharge capacity of 5 m ³ /Hr.				
	Scope inclusives :				
	Transportation alongwith providing all lowering fittings and fixing.				
i)	6" dia PVC pipe Sch (heading)	RM	12		
ii)	4" dia PVC pipe Sch (heading)	RM	12		
iii)	4" dia Ribbed stainers	Nos.	3		
iv)	Fittings	Lot	1		
v)	2" GI pipe (Tata/Jindal/ equiv.) with all online fittings	RM	15		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
vi)	KSB / approved make submersible jet pump capacity 10 M ³ /Hr (appx.) with CG/ABB/Siemens/BB/equivalent approved make motor of 5 HP rating	No.	1		
vii)	Cu cable of suitable size & quantity	Lot	1		
viii)	Pump Control Panel	No.	1		
Note:	Additional rate per meter of extra depth boring with supply of extra piping and cabling material	RM	RQO		
7.0	MISCELLANEOUS				
7.1	Supply, fitting and fixing of galvanised iron 3-pin, 12 gauge, 4 point barbed wire conforming to A-3 type of IS 278,1978 running horizontally with diagonal bracings, fixed on the angle iron/ concrete post. (payment to be made in running metre of single wire.	RM	1500		
7.2	Supply & installation of precast concrete pole/65 mm NB MS Pipe post for fencing work with necessary arrangement of barbed wirefixing, spaced at an interval of not more than 1.5M c/c including embedding to the soil with PCC encasing to give required stability. The height of the fencing shall be not less than 1.6M from ground level. Complete with all labour, material, transportation, loading/ unloading etc.	Nos	15		
7.3	Supply, fabrication, erection, alignment and fixing in position, true to line and level, structural MS pipe of 50NB (Med) for roof purlin, tank supports etc. , to be laid over brick wall including splicing, cutting, bending, drilling, welding, riveting, bolting etc., with all tools and tackles, plant and machinery as per drawing and specification with two (2) coats of synthetic enamel paint over one (1) coat of red oxide zinc chromate primer. The purlin to be fixed with brick/pcc by MS clamps and get it welded.	RM	40		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
7.4	Providing and fixing 0.63mm thick galvanised corrugated roof sheet , drilling holes, fixed with GI 8mm dia crank bolts and 6mm dia sheeting bolt, square nuts, GI round washer, diamond/limpet washer and bitumen washer including all fittings, fixture, ridges piece etc. complete with all materials and labour. Measurement shall be done on the basis of covered area in plan.	SqM	20		
7.5	Preparation of sub-grade maintaining proper gradient camber / cross falls, dressing, watering / drying (as required) consolidating / compacting using 10-12T capacity roller with static rolling as appropriate as per specifications and / or directions of the Engineer-in-Charge. The rate also includes cost of box cutting upto 250mm if necessary .	SqM	670		
7.6	Providing and laying 230mm nominal thick boulder/ stone soling for road with graded material and binders including transportation, breaking, laying in regular lines and levels, filling in the interstices with stone chips, coarse murrum, compacting with mechanical reamers or with manual tamping only where mechanical reamers cannot be used, watered, consolidated and rolling with 8T/10T roller as specified and dressing the top surface to correct grade , level and slope. All material and labour complete and as directed by the Engineer-in-Charge.	SqM	670		
	Total Part A				
SCHEDULE OF WORK - PIPING - PART B					
8.1	Installation of Mass Flow Meter with Digital Counter, cable connections, with supply of CAF gaskets, fastners as required	No	1		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
8.2	Installation of CS Pipes of varying diameter (upto 4" NB) with Screwed/ But welded end in unit connection as per the direction of the EIC. Weld joints will be paid through separate line item. (1 inch-mtr = 1" dia x 1 mtr length)	inch-mtr	200		
8.3	Carrying out Butt/socket weld joints with face preparation (as required) as per good engineering practice and instruction of EIC for various pipe diameters (upto 4" NB) with supply of all necessary tools, tackles, consumables, power etc. (1 inch-dia = 1" dia x 1 no joint)	inch-dia	250		
	Total Part B				
SCHEDULE OF WORK - ELECTRICAL - PART C					
9.0	Electrical : Supply, erection, testing & commissioning as per Owner's advice				
9.1	Sodium vapor lamp (400w) with enclosure set	Nos	1		
9.2	150 sqmm Al, three core armored PVC coated cable	RM	20		
9.3	1.5 sqmm Cu, three & half core armored PVC coated cable	RM	50		
9.4	2.5 sqmm Cu, four core armored PVC coated cable	RM	40		
9.5	16 sqmm Al, three & half core armored PVC coated cable	RM	20		
9.6	40w CFL of approved make	Nos	2		
9.7	Ceiling fan of approved make	Nos	2		
9.8	Kit Kat switch	Nos	10		
9.9	Five pin socket	Nos	3		

SI	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
9.10	Cable termination with supply of double compression type brass glands, lugs etc.				
a)	16 sqmm	Nos	2		
b)	2.5 sqmm	Nos	8		
c)	1.5 sqmm	Nos	10		
d)	150 sqmm	Nos	1		
9.11	Supply & installation of earthpit using 2.5M long 50NB GI perforated pipe, complete with earth treatment and masonry work.	Nos	1		
9.12	Earthing strip 6mmx50mm GI	RM	20		
9.13	Earthing strip 6mmx25mm GI	RM	10		
9.14	8 SWG GI wire for earthing including provision of socket at both end of each piece	RM	50		
9.16	Misc steel supply, fabrication, erection and painting work structural work	KG	100		
	Total				
	Total = Part A+ Part B+ Part C				
	Add : WCT / VAT @ _____%				
	Add : Service Tax @ _____%				
	Grand Total of Part A+ Part B+ Part C				