



बामर लॉरी एण्ड कं. लिमिटेड  
**Balmer Lawrie & Co. Ltd.**

**REFINERY & OILFIELD SERVICES**  
**21, Netaji Subhas Road**  
**Kolkata 700 001**

**TENDER DOCUMENT**

**FOR**

**SUPPLY OF FLP STARTER PANELS**  
**&**  
**OTHER FLP ITEMS**

**Tender No.: ROFS/CAPEX/19-20/ENQ/09**

**Dated: 29.08.2019**

**Tender Due date & Time: 19.09.2019, 16:00 Hrs**

**PART-I (Un-Priced)**

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**CHECK LIST FOR SUBMISSION OF TENDER  
(TO BE SUBMITTED WITH UN-PRICED PART)**

Tenderers are requested to fill up this Check List and attach supporting documentary evidence.

SI No.	Submission of Document	Bidder's Confirmation/Submission (Yes / No)
1	Earnest Money Deposit	
2	90 days validity of the offer confirmation	
3	Audited Annual Reports (for past three years)	
4	Copy of Work Order and Completion Certificates for similar supplies as per Pre-qualification Criteria	
5	Power of Attorney of the Signatory	
6	PAN	
7	Provident Fund Registration	
8	GSTIN Registration	
9	Valid MSME Registration certificate as per NIT	
10	<b>Price Schedule</b> in Un-priced Bid duly blanked out and signed	
11	<b>Tender Document</b> (along with addendum if any) duly signed and stamped on all pages	
12	<b>Price quoted</b> strictly as per Tender price schedule	
13	<b>Payment Terms</b> in compliance to tender requirement	
14	<b>Delivery Period</b> in compliance to tender requirement	
15	<b>LD clause</b> in compliance to tender requirement	
16	<b>Warranties and Guarantee</b> in compliance to tender requirement	
17	All others Technical & Commercial Terms & Conditions shall remain unaltered as per Tender document	



**Balmer Lawrie & Co. Ltd.**  
**Refinery & Oilfield Services**  
**NOTICE INVITING TENDER**

**Tender No.** : ROFS/CAPEX/19-20/ENQ/09  
**Date** : 29/08/2019  
**Due Date & Time** : 19/09/2019, 16:00 Hrs  
**Date & Time of Opening** : 19/09/2019, 16:30 Hrs

**BALMER LAWRIE & CO. LTD. (BL)** invites **online offers** from experience & resourceful Suppliers/vendors for with sound technical and financial capabilities for Supply of FLP Starter Panel and other accessories.

**1.0 SCOPE OF SUPPLY**

The scope of supply covers Design, Engineering, Manufacture and Assembly/ Pre-assembly, Packing and Forwarding, Transit Insurance, Transportation and Delivery to the Site of following Flameproof items as defined in technical specification, drawing, schedule of work and elsewhere in this tender:

- a) Starter Panel -2 nos
- b) Local Control Station-6 nos
- c) 1 x 40W Tube Light Fixtures– 5 nos
- d) 36 Watt LED Well Glass Fixture- 5nos
- e) Single Phase Exhaust fan- 1 no
- f) 16 amp Isolator switches-14 nos
- g) 4 way Lighting Junction Box- 6 nos
- h) Double Pole Socket- 1 no

**Make: Baliga / FCG / Sudhir / Flexpro /Saiox**

The FLP Panel and other items shall be delivered at Kolkata. Exact address will be communicated before despatch.

**2.0 PRE-QUALIFICATION (PQ) CRITERIA**

- i) Average annual turnover of the tenderer shall be minimum of **Rs 7.6 lacs** during last three financial years ending 31st March, 2019 preferably in related business. The tenderer/bidder shall submit Balance Sheet/Profit & Loss Account for last 3 years.
- ii) The tenderer/bidder should have successfully supplied similar FLP electrical panels of the following minimum values during past seven (7) years ending last day of month previous to the one in which tenders are invited:-
  - a) **3 jobs** each of value not less than **Rs 3.6 lacs** or
  - b) **2 jobs** each of value not less than **Rs 4.5 lacs** or
  - c) **1 job** of value not less than **Rs 7.2 lacs**

Copy of purchase orders and completion certificates / commissioning should be enclosed as supportive documents.

### **OTHER REQUIREMENTS**

- iii) Copy of PAN Card, GST Registration Certificate, IT Return (last 3 years ending March 2019) and shall be submitted.
- iv) Tender document duly signed and company seal (as an acceptance of all our terms and conditions) shall also be submitted
- v) `Affidavit` in non-judicial stamp paper in case of proprietorship firm, "Partnership Deed" in case of Partnership Firm, "Memorandum & Article of Association" in case of Limited Company.

### **3.0 DELIVERY PERIOD**

Time is the essence of the contract. Supply of Panels along with other items shall be completed within **3 (Three) months** from the date of Letter of Intent (LOI)/ Purchase Order (PO) whichever is earlier.

### **4.0 TENDER DOCUMENTS**

Tender Documents comprise two parts viz. Part-I (Un-priced) and Part-II (Priced). The Un-priced Part consists of Notice Inviting Tender, Instruction to Bidders, Technical Specification and other formats. The Priced Part consists of Price Schedule.

### **5.0 VALIDITY OF OFFER**

Tenderers shall keep their offer valid for a period of **90 (ninety) days** from the due date of this tender. Validity may be extended, if so advised by BL.

### **6.0 EARNEST MONEY DEPOSIT**

Unpriced Bid should be accompanied by a Bank Draft of **Rs 5,000 (Rupees Five Thousand only)** favouring `Balmer Lawrie & Co. Ltd.` payable at Kolkata towards Earnest Money Deposit (EMD).

Bidders registered as Micro & Small Enterprises (MSEs) shall be exempted from submission of EMD (as per clause 16). Declaration of Udyog Aadhar Memorandum [UAM] number by the MSE vendors on Central Public Procurement Portal [CPPP] is mandatory to qualify for availing the benefits as per Public Procurement Policy for MSEs.

- 6.1 EMD of successful bidders will be retained with us till submission of Security Deposit. No interest shall be payable towards EMD amount.

6.2 For the unsuccessful bidders, the EMD will be refunded only after the successful bidder has accepted the work/purchase order and the acknowledgment of the same has been received by BL/the owner.

6.3 EMD is liable to forfeiture in the event of:

- a) Withdrawal of offers during validity period of the offer
- b) Non acceptance of orders by the bidder within the stipulated time after placement of order.
- c) Any unilateral revision made by the bidder during the validity period of the offer.
- d) Non-performance of the bidder during the tenure of work.
- e) Bidders submitting false/fabricated/bogus documents in support of their credentials

## **7.0 SECURITY DEPOSIT**

The tenderer, with whom the contract is decided to be entered into and intimation is so given will have to make a Security Deposit @ 2.5% of the basic Order value in the form of Demand Draft drawn in favour of Balmer Lawrie & Co. Ltd. payable at Kolkata or Bank Guarantee valid till completion of supply executed by any Scheduled bank within 15 days from the date of intimation of acceptance of their tender, failing which Balmer Lawrie & Co. Ltd. reserves the right to cancel the Order. Security Deposit shall be released after completion of the supply.

## **8.0 BASIS OF EVALAUTION**

Bidders will be selected through evaluation of their Unpriced Bids based on fulfillment of pre-qualification criteria i.e. submission of all required PQ documents, EMD/MSME Certificate as per the instructions contained in the tender document. Price Bids will be opened only for the bidders whose Unpriced Bids (Part-I) are found to be acceptable. The rate and amount against each item is also to be filled in. In case of discrepancy between rate and amount, rate quoted shall be taken as correct. L1 Bidder will be determined based on total amount comprising basic amounts + Packing & Forwarding+ Transit Insurance+ Freight.

## **9.0 SPLIT ORDER**

This is NO-SPLIT order.

## **10.0 FORCE MAJEURE**

Any delay in or failure of the performance of either part hereto shall not constitute default hereunder or give rise to any claims for damage, if any, to the extent such delays failure of performance is caused by occurrences such as Acts of God or an enemy, expropriation or confiscation of facilities by Government authorities, acts of war, rebellion, sabotage or fires, floods, explosions, riots, or strikes. The Vendor shall keep records of the circumstances referred to above and bring these to the notice of

the Engineer-In-Charge in writing immediately on such occurrences. The amount of time, if any, lost on any of these counts shall not be counted for the delivery period. On decision of BL/Owner arrived at after consultation with the Vendor, shall be final and binding. Such a determined period of time be extended by the Owner to enable the Vendor to deliver the items within such extended period of time.

If Vendor is prevented or delayed from the performing any of its obligations under this agreement by Force Majeure, then Vendor shall notify Owner the circumstances constituting the Force Majeure and the obligations performance of which is thereby delayed or prevented, within seven days of the occurrence of the event.

#### **11.0 ARBITRATION**

Any dispute or difference arising under this Contract shall be referred under jurisdiction of Kolkata to a sole arbitrator to be appointed by the Chairman & Managing Director, Balmer Lawrie & Co. Ltd. and the provisions of Arbitration Act, 1996 including any statutory modifications or enactment thereof shall apply to the Arbitration proceedings. The fees of the arbitrator, if any, shall be shared equally by both the parties. The award shall be a speaking award stating reason therefor and is final & binding on the parties. The proceeding shall be conducted in English language and courts at Kolkata will have exclusive jurisdiction to settle any dispute arising out of this contract.

#### **12.0 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

#### **13.0 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 Supplier requiring the Owner to observe or perform the same, BL may cancel/terminate this contract . In such case, the EMD and/or Security Deposit of the Supplier will be forfeited.

#### **14.0 RIGHT OF ACCEPTANCE/REJECTION**

Mere issue of tender document, participation in e-procurement portal and submission of bids does not necessarily qualify for consideration of bids. Conditional offer or offer with deviations will not be accepted. M/s Balmer Lawrie & Co. Ltd. reserve the right to accept or reject any tender either in part or in full without assigning any reason whatsoever. Should it, however, become unavoidable, deviations (in the form of Deviation Sheet) should be submitted along with the Bid.

**15.0 NON-CONFORMANCE**

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

**16.0 TENDER CONDITIONS FOR BENEFITS / PREFERENCE FOR MICRO & SMALL ENTERPRISES (MSES)**

- 16.1 As Per Public procurement Policy for Micro & Small Enterprises (MSEs) Order, 2012 issued vide Gazette Notification dated 23.03.2012 by Ministry of Micro, Small and Medium Enterprises of Govt. of India, MSEs must be registered with any of the following in order to avail the benefits/preference available vide Public Procurement Policy MSEs Order,2012
- a. District Industries Centers (DIC)
  - b. Khadi and Village Industries Commission (KVIC)
  - c. Khadi and Village industries Board and Coir Board
  - e. National Small Industries Corporation (NSIC)
  - f. Directorate of Handicraft and Handloom
  - g. Any other body specified by Ministry of MSME
- 16.2 MSEs participating in the tender must submit the certificate of registration with any one of the above agencies.
- 16.3 The registration certificate issued from any one of the above agencies must be valid as on close date of the tender. The successful bidder should ensure that the same is valid till the end of the contract period.
- 16.4. The MSEs who have applied for registration or renewal of registration with any of the above agencies/bodies, but have not obtained the valid certificate as on close date of the tender, are not eligible for exemption/preference.
- 16.5 Registered MSME vendors shall be exempted from need to furnish EMD, subject to their submission of registration details.
- 16.6 Declaration of Udyog Aadhar Memorandum [UAM Number] number by the MSME vendors on Central Public Procurement Portal [CPPP] is mandatory to qualify for availing the benefits as per Public Procurement Policy for MSMEs
- 16.7. Price Preference - Subject to meeting terms and conditions stated in the tender document including but not limiting to prequalification criteria, 25% of the total quantity of the tender is earmarked for MSEs registered with above mentioned agencies/bodies for the tendered item. Where the tendered quantity can be split, MSEs quoting a price within a price band of L1+15% shall be allowed to supply 25% of total tendered quantity provided they match L1 price. In case the tendered quantity cannot be Split, MSE shall be allowed to supply total tendered quantity



provided their quoted price is within a price band of L1+15% and they match the L1 price. In case of more than one such MSEs are in the price band of L1+15% and matches the L1 price, the supply may be shared proportionately.

For Further clarity in this regard a table is furnished below:

Type of Tender	Price Quoted by MSE	How to Finalize the Tender
Can be split	L1	Full Order on MSE
Can be split	Not L1 but within L1+15%	25% order on MSE subject to matching L1 price
Cannot be split	L1	Full Order on MSE
Cannot be split	Not L1 but within L1+15%	Full Order on MSE subject to matching

16.8 Out of the 25% target of annual procurement from micro and small enterprises, 4% has been earmarked for procurement from MSEs owned by SC or ST entrepreneurs and 3% from within 25% has been earmarked from supply from the MSEs owned by Woman entrepreneurs. Provided that, in event of failure of such MSEs to participate in tender process or meet tender requirement and L-1 price, 4%/ 3% sub-target for procurement earmarked for MSEs owned by SC or ST entrepreneurs and woman entrepreneurs respectively shall be met from other MSEs.

16.9 To qualify for entitlement as SC/ST owned MSE, the SC/ST certificate issued by District Authority must be submitted by the bidder in addition to certificate of registration with any one of the agencies mentioned in paragraph (I) above. The bidder shall be responsible to furnish necessary documentary evidence for enabling BL to ascertain that the MSE is owned by SC/ST. MSE owned by SC/ST is defined as:

- a. In case of proprietary MSE, proprietor (s) shall be SC/ST
- b. In case of partnership MSE, The SC/ST partners shall be holding at least 51% shares in the enterprise.
- c. In case of Private Limited Companies, at least 51% share shall be held by SC/ST promoters.

## 17.0 **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.

**18.0 PAYMENT TERMS**

- i) **90% of the basic order** value along with full taxes shall be paid after receipt of materials in good conditions and submission of bill/invoice along with relevant test certificates and guarantee certificates.
- ii) **10% of the basic order** value shall be paid against submission of PBG (Performance Bank Guarantee) of equivalent amount valid with validity of 18 months from the date of supply or 12 months from the date of commissioning. PBG shall be submitted after completion of delivery.

**19.0 WARRANTIES & GUARANTEES**

Vendor shall guarantee BL and their authorized representative against any and all defects in manufacturing, workmanship, materials and performance for a period of twelve (12) months from the date of commissioning or eighteen (18) months from the date of supply whichever is earlier. Should any defect develop during the guarantee period, it shall be remedied promptly free of charge by the Vendor and all expenses for transportation of goods necessitated for such repairs or replacement shall be borne by the vendor.

**20.0 INSPECTION & TESTING**

All materials and components will be subject to inspection by BL/authorised representatives of BL as per the relevant codes, standards and specification. All arrangement & costs, if any, for conduction tests during inspection at vendor's works will be deemed to be included in the quoted prices.

Before commencement of despatch, the goods shall be stamped clear for transportation to ROFS site by the Inspector and a note of acceptance will be released by the Inspector to the Vendor indicating acceptance of the goods offered by the Vendor for inspection. Only after the release of such note, it will be deemed that the goods (or concerned part thereof) are acceptable to BL/authorised representative of BL.

It shall be the option of BL/ authorised representative to allow the Vendor to replace the rejected goods or to cancel the Order for the goods rejected. All costs for carrying out inspection including that required for making arrangements for the same shall be borne by the Supplier.

**21.0 LIQUIDATED DAMAGES**

A reduction at **0.5% of the basic order** value per week or part thereof subject to a maximum of **5% of the basic order** value will be applicable for delay in completion schedule.

**22.0 TAXES & DUTIES**

GST shall be mentioned separately as per price schedule. Any taxes and duties other than GST shall be included in the basic rate. **Prices should be firm** till completion of the job and no escalation for whatsoever reason shall be granted. Our GST Registration No. 19AABCB0984E1ZS for the state of West Bengal.

For further clarification on tender document, please contact Sk Abu Jafor, Manager (Business Development), Phone no +9133 2222 5283 Fax no. : + 91-33 2222 5333, E-Mail : [jafor.a@balmerlawrie.com](mailto:jafor.a@balmerlawrie.com).

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

**( A K Basak )**  
**Head (Technical)**



**Balmer Lawrie & Co. Ltd.**  
**Refinery & Oilfield Services**

**INSTRUCTIONS TO BIDDER REGARDING BID SUBMISSION**

**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 only be made through e-bidding as per following guidelines: :

**1.1 BID SUBMISSION**

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 given below. The bidder 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 their offers comprising the Tender Document (Part-I), duly filled up (wherever required), stamped and signed along with all pre-qualification documents, EMD. The bidders shall download the tender document, upload the same along with scanned copies of all the relevant certificates, documents etc., duly filled in, stamped and signed, in support of their eligibility criteria/NIT in the e-Procurement web site. However, bulky documents which could not be uploaded may be sent along with Unpriced Bid (Part-I) of the Tender Document, duly stamped and signed to the Tender Inviting Authority before date of tender opening along with the bank draft towards EMD amount (unless otherwise MSME). A copy of Priced Bid **without rate and amount** but with percentage of taxes and duties should be submitted along with Unpriced Bid. **The price bid file in pdf format shall be downloaded from the website, bidder to fill in their item-wise rates & amounts on hard copy, stamp, sign, scan and upload the same. Total Contract Price with GST shall be entered as 'Project Contract Total' while uploading price bid.**

**1.1.1 Registration with e Procurement platform**

For registration and online bid submission tenderer may contact the following officials at the HELP DESK of M/s C1 India on browsing to the website <https://balmerlawrie.eproc.in> during business hours (10:00 a.m. to 06:30 p.m.) from Monday to Friday (Excluding holidays of the Company):

Dedicated email : <a href="mailto:blsupport[at]c1india[dot]com">blsupport[at]c1india[dot]com</a>			
Dedicated Helpdesk for Balmer Lawrie			
<u>Contact Person</u>	<u>E-Mail ID</u>	<u>Tel. No.</u>	<u>Helpdesk Nos are open from</u>
1. Mr.Tirtha Das (Kolkata)	<a href="mailto:tirtha.das@c1india.com">tirtha.das@c1india.com</a>	+91-9163254290	MON - FRI
2. Mr. CH. Mani Sankar (Chennai)	<a href="mailto:chikkavarapu.manisankar@c1india.com">chikkavarapu.manisankar@c1india.com</a>	+91-6374241783	MON - SAT

3. Ms. Ujwala Shimpi (Mumbai)	ujwala.shimpi@c1india.com	+91-22-66865608	MON - FRI
4. Helpdesk Support (Kolkata)	blsupport@c1india.com	+91-8017272644	MON - SAT
Escalation Level 1			
Mr. Tuhin Ghosh	tuhin.ghosh@c1india.com	+91-8981165071	
Escalation Level 2			
Mr. Sandeep Bhandari	sandeep.bhandari@c1india.com	+91-8826814007	
Escalation Level 3			
Mr. Achal Garg	achal.garg@c1india.com		
In case, you are unable to get in touch with any of the Technical Support Associates, kindly drop a mail at <a href="mailto:blsupport@c1india.com">blsupport@c1india.com</a> mentioning your Name and Mobile No. One of our associates will get back shortly.			

### 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, bidders are requested to submit the demand draft towards EMD along with original Affidavit and pre-qualification & documents (i.e. Unpriced Bid) which could not be uploaded due to its bulkiness to the following Tender Inviting Authority on/before the due date of opening date under cover of Unpriced Bid, Part - I.

Head (Technical)  
Balmer Lawrie & Co. Ltd.  
Refinery & Oil Field Services  
21, Netaji Subhas Road  
Kolkata – 700 001

The above documents & EMD (unless bidder is a registered MSME under specific category) 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. If price bid is submitted in hardcopy, the bid will summarily be rejected.**

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 on time-to- time basis in the e-Procurement platform. The Company calling for tenders shall not be responsible for any claims/problems arising out of this.

#### **1.1.5 Bid Submission Acknowledgment**

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.

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.

## TECHNICAL SPECIFICATION

### 1.0.0 INTENT OF SPECIFICATION

This specification is intended to cover Design, Engineering, Manufacture and Assembly/ Pre-assembly, Packing and Forwarding, Transit Insurance, Transportation, and Delivery to the Site of Flameproof, weather proof, dust and vapour tight type Starter Panels (wall / column mounted type) and other items.

Bidder to note that the FLP Starter Panel will be fixed wall on wall of container of size [2490 (L) mm X 1500 (W) mmX 2700 mm (H)].

### 2.0.0 SCOPE OF SUPPLY / WORK

This scope includes supply of followings:

- a) Starter Panel -2 nos
- b) Local Control Station-6 nos
- c) 1 x 40W Tube Light Fixtures– 5 nos
- d) 36 Watt LED Well Glass Fixture- 5nos
- e) Single Phase Exhaust fan- 1 no
- f) 16 amp Isolator switches-14 nos
- g) 4 way Junction Box- 6 nos
- h) Double Pole Socket- 1 no

The FLP Starter panels shall have integral junction boxes/incoming-outgoing chambers for termination cables. The starter panels shall have the provision (necessary terminals with wiring) for connecting Local Control Stations (LCS) for operating the motors locally.

### 3.0.0 RECOMMENDED MAKE OF FLP STARTER PANELS, LCS, LIGHT FIXTURES, FAN, JUNCTION BOXES, SOCKETS

**Baliga / FCG / Sudhir / Flexpro /Saiox**

### 4.0.0 TECHNICAL SPECIFICATION

4.1.0 The starter panels, Local Control Switches, Light Fixtures, Exhaust Fan, Isolator Switches, Junction Boxes and Socket shall be suitable for outdoors installation in hazardous location having inflammable gases zone 1 & 2, Gas Group IIA/IIB as per API-RP-500C.

#### 4.2.0 SITE CONDITIONS:

a)	Maximum temperature in summer	55° C
b)	Minimum temperature in winter	0° C
c)	Average ambient temperature	45° C
d)	Relative humidity	98%
e)	Hazardous area classification	Zone 1 & 2, Gas Group II & IIB

#### 4.3.0 SPECIFIC REQUIREMENTS:

##### 4.3.1 Enclosure:

Cast in corrosion resistant light aluminium alloy (LM-6). – Ex-d, Suitable for group IIA & IIB gases. Enclosure shall be suitable for Zone – 1 & 2 area classification. The construction shall comply to IS: 2148 – 2004, IEC 60079-1:2007 & IS: 13346 – 2004. The enclosure shall have ample space for proper termination of cables as per requirement attached and as mentioned in this specification. Surface temperature classification of the enclosure shall be T6. Nameplate of the FLP Enclosure shall be made of Stainless Steel.

In addition, the enclosure shall be totally dust, vermin and weather proof suitable for indoor installation without any canopy. Degree of protection should be minimum IP - 65 as per IS/IEC: 60529 (2001)

All accessories like nuts, bolts, washers etc. shall be made of SS 304. The terminal block enclosures shall be adequately sized to properly terminate all the cables by taking into account the required bending radii of the incoming and outgoing cables.

##### 4.3.2 Terminals / Bus Bars:

Starter Panels / Junction Boxes shall be provided with TPN Al bus bars suitable for 415 Volt, 50Hz. AC. Fault level is 50KA for 1 sec. Arrangement of fixing bus bars shall be made in such a way that cable connections can be made easily.

##### 4.3.3 Earthing:

External and internal earthing terminals complete with set of washers shall be provided for effective earthing.

##### 4.3.4 Mounting:

The FLP panels and the suitable fuse unit shall be suitable for mounting on structures and wall.

##### 4.3.5 Painting:

The FLP panels and switch fuse unit shall be pre-treated by first coat of epoxy zinc chromate primer followed by anti- corrosive industrial epoxy dark admiralty grey paint shade IS 632 of IS 5.



#### 4.3.6 Cable Entry Details:

The Starter Panels shall have bottom cable entry for incoming and outgoing cables as mentioned in enclosed Single Line Diagrams and should be of NPT threads only and these will be provided with suitable flameproof cable glands and plugs. All Junction Boxes shall be suitable for 3 C X 2.5 sq. mm. Cu armoured FRLS cable.

#### 4.4.0 Fixtures:

The FLP starter panels shall be supplied with all cable entries fitted with FLP Double Compression Brass Glands and stopper plugs with each glands.

#### 4.4.1 Cable glands:

The Panel and Lighting Fixture shall be complete with double compression brass glands (FLP type) for all incoming and outgoing feeders as per cable size given in the SLD.

The cable glands shall be double compression type, flameproof and weather proof suitable for outdoor use in hazardous area as classified. The cable glands shall be manufactured in brass duly Zinc/ Nickel plated construction. All the glands shall be punch marked for both its size and cable size.

#### 4.4.2 Flame proof weather proof plugs / Reducers:

The flameproof weatherproof plugs and reducers shall be manufactured in brass duly zinc plated construction with the purpose of blocking the spare entries of the Junction box, etc.

The plugs/reducers shall be suitable for outdoor installation making the panels, JBs completely weatherproof. All the plugs/ reducers shall be punch marked for plug sizes.

#### 4.5.0 Electrical components:

Starter Panels shall be flameproof and weatherproof, single front, front opening type.

All MCCBs shall have adjustable type overload and short circuit settings. Incomer MCCBs shall have separate earth fault unit as indicated in the SLD. Incomer MCCB shall have extended handle for operation. Start / Stop Push Buttons shall have 2 NO + 2 NC auxiliary contacts. Stop Push Buttons shall be red, mushroom headed with padlocking arrangement. All ammeters, voltmeters, multifunction meters shall be digital type.

The LT Components of the Panels shall be limited to L&T / Siemens / Legrand/Schneider.

**4.6.0 CCE certificate**

Flameproof certificate from CCE/ DGMS/ CMRI/ ERTL with mention of validity for the Panels, SFU Unit, Junction boxes, Lighting fixtures, cable glands, reducers and plugs covered under this specification shall be submitted along with the offer.

**4.7.0** Compliance shall be given for submitting the approvals for the respective offered Panels at the time of inspection. Category certification and test reports are not acceptable. Any deviation will result in rejection of offer. Representative of the purchaser shall have free entry at vendor's work for inspection during process of manufacturing, and after they are ready for final inspection and testing.

**4.8.0 Documentation (3 copies) to be submitted:**

- i) GA Dwg. & Cross sectional dimension details.
- ii) Termination arrangement details.
- iii) Mounting details.
- iv) Panel wiring diagram
- v) CCE certificate.
- vi) DGMS certificate
- vii) Catalogues and illustrated literature make of bought out items
- viii) Experience list for supply of items for similar services.

Failure to provide CCE & DGMS approval for the all the supplied items shall result in cancellation of order.

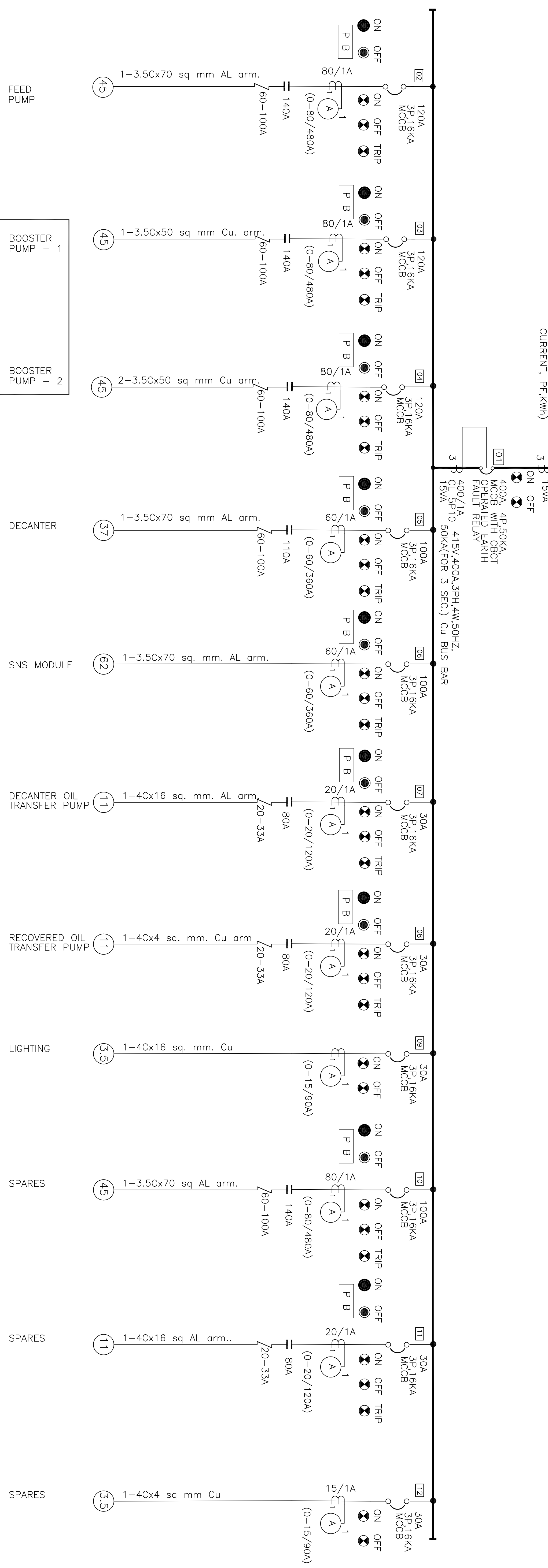
**The above mentioned specification shall be read along with the enclosed Tender Drawings.**

### **LIST OF DRAWINGS/DOCUMENTS**

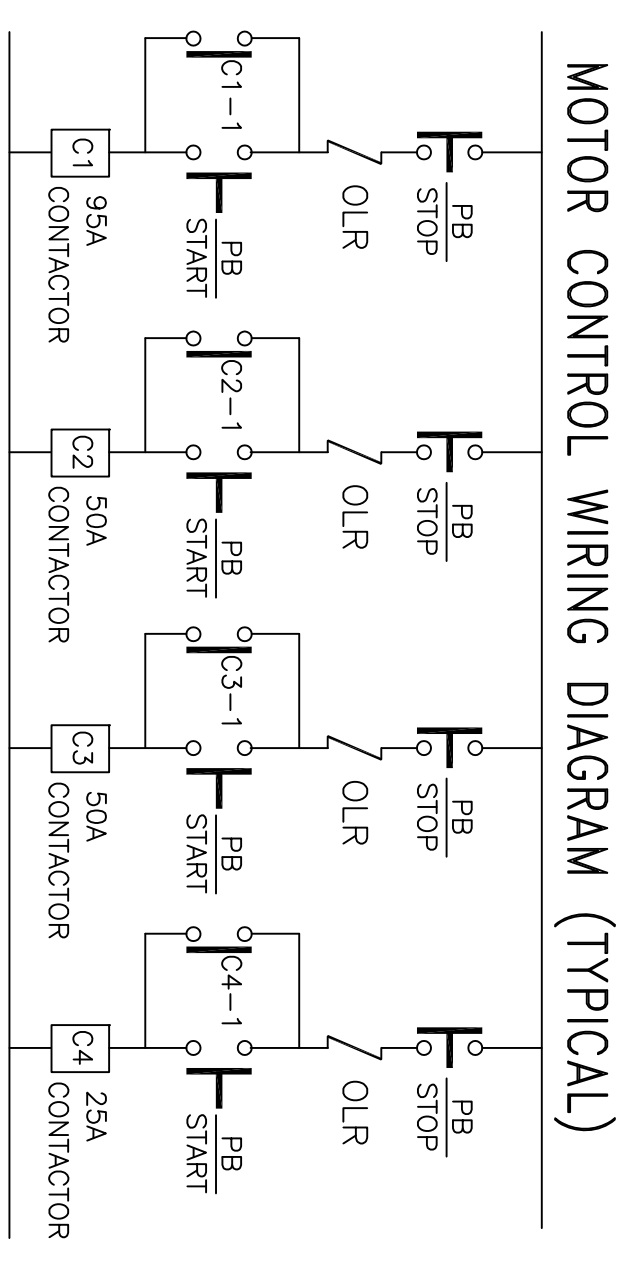
<b>Sl.No.</b>	<b>Title</b>	<b>Drawing No.</b>	<b>Rev</b>	<b>Date</b>
1	SLD-415V Starter Panel for BLABO	Dwg. No. ROFS/FLP/SP /BLABO/1	0	22-08-19
2	SLD-415V Starter Panel for Air Compressor & Hydraulic Power Pack	Dwg. No. ROFS/FLP/SP /BLABO/2	0	22-08-19
3	Schematic of DOL Starter	Dwg. No. ROFS/FLP/DOL/SCH	0	22-08-19
4	Selection Chart Of Components Of Motor Starter Panel	Doc. No. ROFS/FLP/SP/CHART	0	27-08-19

415V,1-3.5C-240 SQ MM AL AR FRUS CABLE

### 415V STARTER PANEL FOR BLABO



PERMANENT CONNECTION IN PUMP MODULE



MOTOR CONTROL WIRING DIAGRAM (TYPICAL)

**NOTES :-**

1. MOTOR STARTER PANEL SHALL BE FLAMEPROOF AND WEATHERPROOF, SINGLE FRONT, FRONT OPENING BOTTOM CABLE ENTRY PANEL.
2. ALL MCCBS SHALL HAVE ADJUSTABLE TYPE OVERLOAD AND SHORTCIRCUIT SETTINGS.
3. INCOMER MCCBS SHALL HAVE SEPARATE EARTH FAULT UNIT AS INDICATED IN THE SLD.
4. ALL MCCBS SHALL HAVE EXTENDED HANDLES FOR OPERATION FROM OUTSIDE THE PANEL.
5. ALL AMMETERS MULTIFUNCTION METERS SHALL BE DIGITAL TYPE.
6. INDICATING LAMPS (ON, OFF, TRIP) & START, STOP PUSH BUTTON SHALL BE PROVIDED FOR ALL DOL FEEDERS.
7. PLUG FOR ALL NPT ENTRIES SHALL BE PROVIDED.
8. THE STARTER PANEL SHALL HAVE THE PROVISION OF CONNECTION LOCAL CONTROL STATIONS NEAR MOTORS. ACCORDINGLY, NECESSARY TERMINALS WITH WIRING SHALL BE PROVIDED.

**FLAME PROOF :-**  
 ZONE 1 & 2  
 GAS GROUP- IIA & IIB AS PER IS/IEC 60079-1 (2007)  
**PROTECTION :-**  
 WEATHERPROOF IP : 66, DEG OF PROTECTION : AS PER IS/IEC 60529 (2001)  
**AREA CLASSIFICATION :-**  
 ZONE-1&2  
**MATERIAL OF CONSTRUCTION :-**  
 CAST ALUMINIUM ALLOY  
 SURFACE TEMPERATURE CLASSIFICATION : T6  
**FINISH :-**  
 DARK ADMIRALTY GREY EPOXY POWDER COATED 632  
 AS PER IS:5  
**HARDWARE :-**  
 STAINLESS STEEL (SS 304)  
**EARTHING :-**  
 1 NO. INSIDE & 2 NOS. OUTSIDE, SCREW(BRASS WITH 2NOS. PLAIN WASHER) M8  
**NAMEPLATE :-**  
 STAINLESS STEEL

**CABLE ENTRY :-**  
 AS PER CABLE SIZE SHOWN IN SLD  
**DIMENSION :-**  
 DIMENSION OF PANEL SHALL BE LIMITED TO 2000MM (L) X 325 (W) X 1100 (H)  
**MAKE OF ELECTRICAL LT COMPONENTS:**  
 L&T / SIEMENS / ABB / LEGRAND/ SCHNEIDER  
 MOUNTING ARRANGEMENT  
 ON 2400 mm LONG CONTAINER WALL  
 MAKE OF PUSH BUTTONS & INDICATING LAMP  
 TENNIC/ SIEMENS  
 BUSBAR TERMINALS  
 PHOENIX / ELEMEX, CONNECT WELL.

TENDER PURPOSE ONLY

TENDER NO:ROFS/CAPEX/19-20/ENQ/09

FOR ITEM NO 1 OF PRICE SCHEDULE

**Balmer Lawrie & Co. Ltd.**  
 REFINERY AND OIL FIELD SERVICES

NO	REVISION	BY	DATE	JOB NO.	DWG. NO.	SHT.	REV.
					ROFS/FLP/SF/BLABO/1	1	0

415V, 1-3.5C-70 SQ MM AL AR FRUS CABLE

## 415V STARTER PANEL FOR AIR COMPRESSOR & HYD. POWER PACK

### FLAME PROOF :

ZONE 1 & 2  
GAS GROUP - IIA & IIB AS PER IS/IEC 60079-1 (2007)

### PROTECTION :

WEATHERPROOF IP : 66, DEG OF PROTECTION : AS PER IS/IEC 60529 (2001)

### AREA CLASSIFICATION :

ZONE-1&2

### MATERIAL OF CONSTRUCTION :

CAST ALUMINIUM ALLOY

### SURFACE TEMPERATURE CLASSIFICATION : T6

### FINISH :

DARK ADMIRALTY GREY EPOXY POWDER COATED 632

AS PER IS:5

### HARDWARE :

STAINLESS STEEL (SS 304)

### EARTHING :

1 NO. INSIDE & 2 NOS. OUTSIDE, SCREW(BRASS WITH 2NOS. PLAIN WASHER) M8

### NAMEPLATE :

STAINLESS STEEL

### CABLE ENTRY :

AS PER CABLE SIZE SHOWN IN SLD

### MAKE OF ELECTRICAL LT COMPONENTS:

L&T / SIEMENS / ABB / LEGRAND / SCHNEIDER

### MOUNTING ARRANGEMENT

ON CONTAINER WALL

### MAKE OF PUSH BUTTONS & INDICATING LAMP

TEKNIK/ SIEMENS

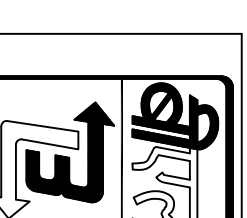
### BUSBAR TERMINALS

PHOENIX / ELEMEX  
CONNECT WELL.

### TENDER PURPOSE ONLY

TENDER NO:ROFS/CAPEX/19-20/ENQ/09

FOR ITEM NO 2 OF PRICE SCHEDULE



**Balmer Lawrie & Co. Ltd.**  
REFINERY AND OIL FIELD SERVICES

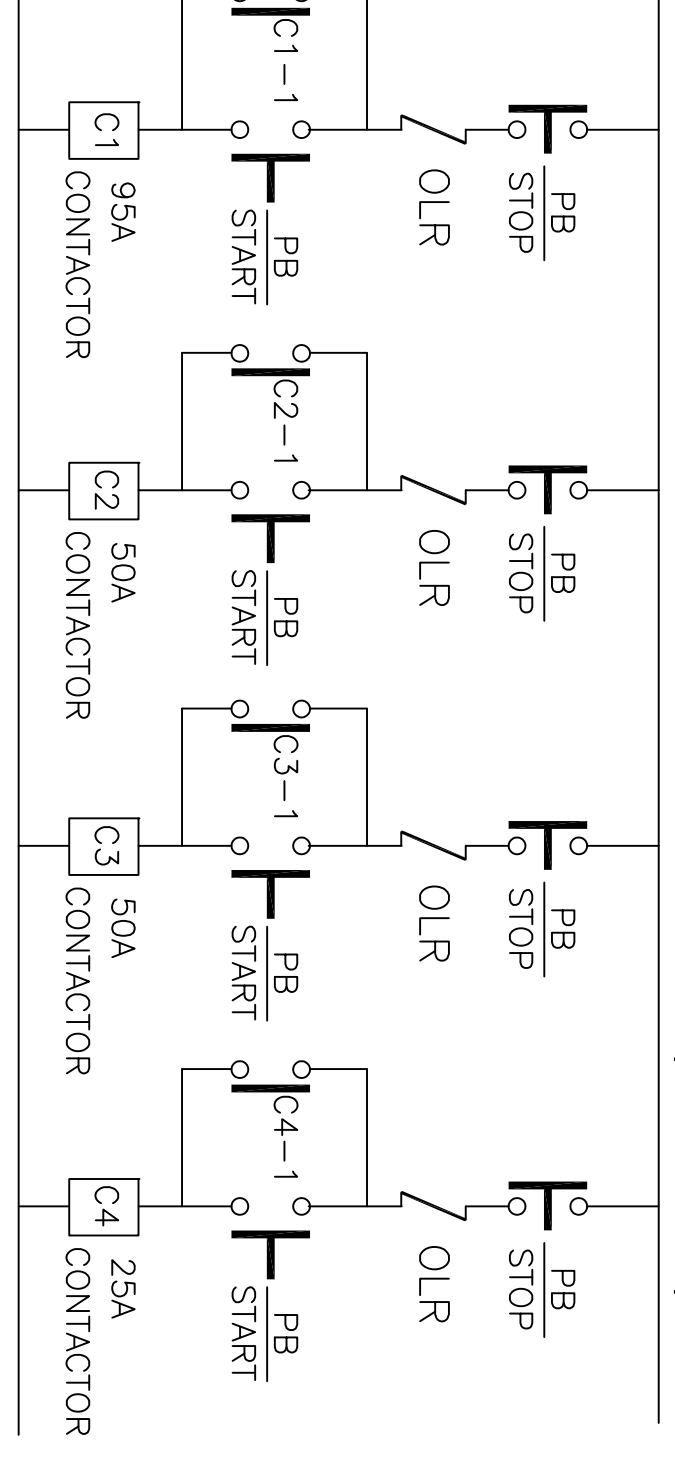
NO	REVISION	BY	DATE	JOB NO.	DWG. NO.	SHT.	REV.
						1	0

SCALE :	DATE	FOR
DRAWN K.D	22.08.19	REFINERY AND OIL FIELD SERVICES
CHKD. S.M	22.08.19	SLD - 415V STARTER PANEL FOR BLABO
APPD. AB	22.08.19	



### MOTOR CONTROL WIRING DIAGRAM (TYPICAL)



### NOTES :-

1. MOTOR STARTER PANEL SHALL BE FLAMEPROOF AND WEATHERPROOF, SINGLE FRONT, FRONT OPENING BOTTOM CABLE ENTRY PANEL.
2. ALL MCCBS SHALL HAVE ADJUSTABLE TYPE OVERLOAD AND SHORTCIRCUIT SETTINGS.
3. INCOMER MCCBS SHALL HAVE SEPARATE EARTH FAULT UNIT AS INDICATED IN THE SLD.
4. ALL MCCBS SHALL HAVE EXTENDED HANDLES FOR OPERATION FROM OUTSIDE THE PANEL
5. ALL AMMETERS MULTIFUNCTION METERS SHALL BE DIGITAL TYPE.
6. INDICATING LAMPS (ON, OFF,TRIP) & START, STOP PUSH BUTTON SHALL BE PROVIDED FOR ALL DOL FEEDERS.
7. PLUG FOR ALL NPT ENTRIES SHALL BE PROVIDED
8. THE STARTER PANEL SHALL HAVE THE PROVISION OF CONNECTION LOCAL CONTROL STATIONS NEAR MOTORS, ACCORDINGLY, NECESSARY TERMINALS WITH WIRING SHALL BE PROVIDED.



**Tender No: ROFS/CAPEX/19-20/ENQ/09**  
**SELECTION CHART OF COMPONENTS OF MOTOR STARTER PANEL**

Document No: ROFS/FLP/SP/CHART

Rev:0

Date: 27.08.2019

<b>FLP Starter Panel Feeder Details - Item No-1</b>																	
SL.NO	From Description	Voltage(V)	Frequency (Hz)	Load KW	Load Current (A)	MCCB (A)	L&T		OLR	OLR Type	CTR	Amp Range	Material		No. of Runs	No. Core and size (sq.mm)	
							MCCB Type	Contactor Rating					Contactor Type	Conductor			Insulation
1	Incoming Feeder: MCCB				300	400	DN3 4P MCCB +CBCT+EF RELAY			To be provided with On and OFF Indication							
<b>Outgoing Feeders PF=0.78</b>																	
2	Feed Pump	415	50	45	80	120	DM 160	140A	MNX140	60-100	MN12	80/1	0-80/480 A	AL	XLPE/AR.	1	3.5Cx70
3	Booster Pump-1	415	50	45	80	120	DM 160	140A	MNX140	60-100	MN12	80/1	0-80/480 A	Cu	XLPE/AR.	1	3.5Cx50
4	Booster Pump-2	415	50	45	80	120	DM 160	140A	MNX140	60-100	MN12	80/1	0-80/480 A	Cu	XLPE/AR.	1	3.5Cx50
5	Centrifuge Decanter	415	50	37	66	100	DM 160	110A	MNX110	60-100	MN12	60/1	0-60/360 A	AL	XLPE/AR.	1	3.5Cx70
6	SNS Module	415	50	35	62	100	DM 160					60/1	0-60/360 A	AL	XLPE/AR.	1	3.5CX70
7	Decanted Oil Transfer Pump	415	50	11	20	30	DM 100	80A	MNX 80	20-33	MN5	20/1	0-20/120 A	AL	XLPE/AR.	1	4CX16
8	Recovered Oil Transfer Pump	415	50	11	20	30	DM 100	80A	MNX 80	20-33	MN5	20/1	0-20/120 A	AL	XLPE/AR.	1	4CX16
9	Lighting	415	50	3.5	15	30						15/1	0-15/90A	CU	XLPE/AR.	1	4C X 4
10	Spare	415	50	45	80	100	DM 160	140A	MNX140	60-100	MN12	80/1	0-80/480 A	AL	XLPE/AR.	1	3.5Cx70
11	Spare	415	50	11	20	30	DM 100	80A	MNX 80	20-33	MN5	20/1	0-20/120 A	CU	XLPE/AR.	1	4CX16
12	Spare	415	50	3.5	15	30						15/1	0-15/90A			1	4C X 4

**FLP Starter Panel for Air Compr & Hyd Power Pack- Item No-2**

1	Incoming MCCB (o/g from SNS Module feeder)				62	100	To be provided with On and OFF Indication										
<b>Outgoing Feeders</b>																	
2	Hyd. Power Pack	415	50	11	20	30	DM 100	30A	MNX 80	20-33	MN5	20/1	0-20/120 A	AL	XLPE/AR.	1	4CX16
3	Air Compressor	415	50	11	20	30	DM 100	80A	MNX 80	20-33	MN5	20/1	0-20/120 A	AL	XLPE/AR.	1	4CX16
4	Lighting	415	50	3.5	15	30						15/1	0-15/90A	CU	XLPE/AR.	1	4C X 4
5	Spare	415	50	11	20	30	DM 100	80A	MNX 80	20-33	MN5	20/1	0-20/120 A	AL	XLPE/AR.	1	4CX16

Note: 1) Selection of Components is based on DOL Starter Feeders-IE#2 Motors With MCCB Type 2 Coordination as Per recommendation of L&T, LT Components other than L&T (i.e.

ABB/SIEMENS/SCHNEIDER/LEGRAND) can also be supplied.

2) All Lighting Feeders shall be provided with ON/ OFF Indication

**ATTACHMENT-I****To**

**Balmer Lawrie & Co. Ltd.**  
 Refinery & Oilfield Services  
 21, Netaji Subhas Road  
Kolkata – 700 001

BG No. : \_\_\_\_\_  
 DATED : \_\_\_\_\_  
 VALID UPTO : \_\_\_\_\_

This deed of Guarantee made this \_\_\_\_ day of \_\_\_\_ 20\_\_ by the \_\_\_\_\_ a Bank registered under the \_\_\_\_\_ and having its registered office at \_\_\_\_\_ and wherever the context so requires includes its successors and assigns (hereinafter called 'The Surety') in favour of Balmer Lawrie & Co. Ltd. a Company registered under Indian Companies Act and having its registered office at 21, Netaji Subhas Road, Kolkata 700001 and wherever the context so requires include its successors and assign (hereinafter called the Company).

**Whereas**

1. The Company has placed a Purchase Order No. \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter referred to as the Order) on M/s. \_\_\_\_\_ a Company registered under Indian Companies Act 1956 having its registered office at \_\_\_\_\_ and whereas the context so require includes its successors and assigns (hereinafter called or referred to as the Supplier).
2. Under the terms of the order, the supplier is required to furnish the Company at his own cost a Bank Guarantee for an amount of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) being the amount equivalent to \_\_\_\_% of the total value of the order for fulfilling the contract.
3. The Surety at the request of the Supplier, agreed to issue Bank Guarantee in terms of the said order on behalf of the Supplier and the Company has agreed to accept the same. It is hereby stipulated and agreed that the Supplier shall repair or replace free of cost equipment, machinery, its parts and components found defective on account of Workmanship or defective material or inferior manufacturer, as mentioned in Warranty & Guarantee clause of the order for a period of 12 months from the date of last delivery or 18 months from the date of commissioning.
4. The Surety binds himself to pay to the extent of Rs. \_\_\_\_\_ in case of failure on the part of the Supplier to perform this guarantee provided the Company inform the Surety in writing to this effect.
5. Notwithstanding anything contained hereinafter the liability of the Surety in respect of this guarantee is restricted to Rs. \_\_\_\_\_ being \_\_\_\_ % value of the order.
6. The Surety shall not be discharged or released from this guarantee by any arrangement between the Company and the Supplier with or without consent of the Surety or by any alteration in the obligation of the parties or by any indulgence, forbearance whether as to payment time performance or otherwise.
7. Notwithstanding anything contained hereunder, our liability under this Guarantee shall be restricted to Rs. \_\_\_\_\_ and the guarantee shall remain in force upto 20\_\_ unless a claim is lodged under this Guarantee within three months from the date of expiry of Bank Guarantee, your rights under the Guarantee shall be forfeited and we shall be relieved and discharged from all liabilities thereunder.

In witness whereof the said Surety subscribed and set its name and seal here onto \_\_\_\_ the day of 20 \_\_\_\_.

Place : \_\_\_\_\_  
 Date : \_\_\_\_\_



**ATTACHMENT - II****DETAILS OF EXPERIENCE**

Tenderer shall give information of similar works carried out during past seven (7) years strictly as per the proforma given below.

Sl. No .	Full particulars of similar supply made by the Vendor	Supply Value	Completion time as stated in the Order	Actual Completion time	Year of completion	Name & Postal address of Client with Telephone/Fax No.
1	2	3	4	5	6	7

Certified that the above information is correct.

**ATTACHMENT – III****DEVIATION STATEMENT (IF ANY)**

**Please list clearly all Techno-commercial tender clauses against which a deviation / exception sought failing which it shall be deemed that the vendor has accepted the tender clause.**

SL. NO.	TENDER REFERENCE (Page no., Clause No., Paragraph)	SUBJECT	DEVIATION / EXCEPTION PROPOSED

**ATTACHMENT – IV****VENDOR'S INFORMATION**

<b><u>Sl no.</u></b>	<b><u>Description</u></b>	<b><u>To be filled in by the Tenderer</u></b>
1	Name1 (max. 35 char.)	
2	Name2 (max. 40 char.)	
3	Street/House No. (max. 50 char.)	
4	Street1 (max. 40 char.)	
5	Street2 (max. 40 char.)	
6	PIN Code (Postal Index No. e.g. "700001") (max. 6 char.)	
7	City/Place (e.g. "Kolkata" or "Dehradun") (max. 40 char.) or as the name of the city	
8	Country ("India" or "England" or as the name of country be)	
9	State (Name the state from where the office of Vendor/Supplier operates)	
10	First Tel. No. (With STD Code): (e.g. 033-22225280 or 022-66552814) (max. 30 char.)	
11	First Fax No. (with STD Code)	
12	Contact Person	
13	First Mobile No.	
14	E-mail Address) (max. 40 char.)	
15	PAN No. :	
16	GSTIN Registration No. :	
17	GSP Name (GST Suvidha Provider)	
18	Bank Name (max. 60 char.)	
19	Street (max. 35 char.)	
20	City (max. 35 char.)	
21	Branch (max. 40 char.)	
22	IFSC Code	
23	MICR Code	
24	Account No.	
25	Type of Account (Current, Savings, etc.)	

Seal and Signature of the Vendor



बामर लॉरी एण्ड कं. लिमिटेड  
**Balmer Lawrie & Co. Ltd.**

**REFINERY & OILFIELD SERVICES**  
**21, Netaji Subhas Road**  
**Kolkata 700 001**

**TENDER DOCUMENT**

**FOR**

**SUPPLY OF FLP STARTER PANELS**  
**&**  
**OTHER FLP ITEMS**

**Tender No.: ROFS/CAPEX/19-20/ENQ/09**

**Dated: 29.08.2019**

**Tender Due date & Time: 19.09.2019, 16:00 Hrs**

**PART-II (Priced)**

**NOTES:**

- 1.0 Details of the items under this Schedule shall be read in conjunction with the corresponding Specifications, Drawings and other Tender Documents.
- 2.0 The work shall be carried out as per approved drawings, Specifications and the description of the items in this Schedule and/or Engineer's instructions. Drawings enclosed with these documents are only for providing some preliminary of the work involved.
- 3.0 Items of work provided in this Schedule but not covered in the Specifications shall be executed strictly as per instructions of the Engineer-In-Charge.
- 4.0 Unless specifically mentioned otherwise in the Contract, the Tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, Constructional Plant, Temporary Work, labour, materials, levies, taxes, transport, layout, re-pairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, services, temporary roads, revenue expenses, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the contract.
- 5.0 The Quantities of the various items mentioned in the Schedule of Items are approximate and may vary or may be deleted altogether.
- 6.0 Rates shall be quoted both in figures and in words in clear legible writing. No over writing is allowed. All scoring and cancellations should be countersigned by the Tenderer. In case of illegibility, the rates written in word will be considered final. All entries shall be in English language.
- 7.0 Engineer's decision shall be final and binding on the Supplier regarding clarification of items in this Schedule with respect to the other sections of the Contract.

**PRICE SCHEDULE FOR SUPPLY OF FLP STARTER PANELS & OTHER FLP ITEMS**  
(Tender No.: ROFS/CAPEX/19-20/ENQ/09)

Sl. No.	Item Description	Qty (nos.)	Basic Unit Price (Rs.)	Packing & Forwarding (unit) (Rs.)	Ex Factory Unit Price (Rs.)	Transportation (unit) (Rs.)	Transit Insurance (Unit) (Rs.)	Total Unit Price (Rs)	Total Amount = Total Unit Price x Quantity (Rs)	GST (in %)	GST Amount (Rs)	Total amount with GST(Rs)
		Q	(A)	(B)	C= A+B	D	E	F=C+D+E	G=F XQ	H	I=GX H	G+I
1	Supply of Flameproof 415 V FLP Starter Panel for BLABO (Ref. Tender Dwg. No. ROFS/FLP/SP /BLABO/1) including supply of FLP Double Compression Glands for all cable entry and sealing stoppers for all glands	1	-	-	-	-	-	-	-	18%	-	-
2	Supply of Flameproof 415 V FLP Starter Panel for Air Compr & Hyd PP (Ref. Tender Dwg. No. ROFS/FLP/SP /BLABO/2) including supply of FLP Double Compression Glands for all cable entry and sealing stoppers for all glands	1	-	-	-	-	-	-	-	18%	-	-
3	Supply of Flameproof 415 V Local Control Station for Motors with ON-OFF Push Buttons, Indicating Lamps and Ammeter including supply of FLP Double Compression Glands for all cable entry and sealing stoppers for all glands	6	-	-	-	-	-	-	-	18%	-	-
4	Supply of Flameproof 1 x 40W (Zone 1 & 2, Gas Group IIA & IIB , IP-65, T6) Tube Light Fixture with CFL or LED Lamp , including supply of FLP Double Compression Glands with for all cable entry and sealing stoppers for all glands	5	-	-	-	-	-	-	-	18%	-	-
5	Supply of Flame Proof 1 X 26 Watt Well Glass Luminaire Fixture (Zone 1 & 2, Gas Group IIA & IIB , IP-65, T6), with Supply of CFL or LED Lamp including supply of FLP Double Compression Glands with for all cable entry and sealing	5	-	-	-	-	-	-	-	18%	-	-
6	Supply of of Flame Proof Single Phase Exhaust fan of minimum 400 mm sweep dia with accessories such as bird catcher, front mesh etc. (Zone 1 & 2, GAS GROUP IIA & IIB, IP-65, T6), including supply of FLP Glands with for all cable entry and sealing stoppers for all glands	1	-	-	-	-	-	-	-	18%	-	-
7	Supply of 16 Amps ON/OFF Flame Proof Switch Isolator (Zone 1 & 2, Gas Groups IIA & IIB, IP-65 ) for controlling Fan & Light Fittings including supply of Double Compression FLP Glands with for all cable entry and sealing stoppers for all glands	14	-	-	-	-	-	-	-	18%	-	-

**DO NOT QUOTE HERE.  
SUBMIT BLANKED OUT PRICE  
SCHEDULE ALONG WITH  
UNPRICED BID**

**DO NOT QUOTE HERE  
SUBMIT BLANKED OUT PRICE  
SCHEDULE ALONG WITH  
UNPRICED BID**

**PRICE SCHEDULE FOR SUPPLY OF FLP STARTER PANELS & OTHER FLP ITEMS**  
(Tender No.: ROFS/CAPEX/19-20/ENQ/09)

Sl. No.	Item Description	Qty (nos.)	Basic Unit Price (Rs.)	Packing & Forwarding (unit) (Rs.)	Ex Factory Unit Price (Rs.)	Transportation (unit) (Rs.)	Transit Insurance (Unit) (Rs.)	Total Unit Price (Rs)	Total Amount = Total Unit Price x Quantity (Rs)	GST (in %)	GST Amount (Rs)	Total amount with GST(Rs)
		Q	(A)	(B)	C= A+B	D	E	F=C+D+E	G=F XQ	H	I=GX H	G+I
8	Supply of Flameproof 4 way Lighting junction box (Zone 1 &2, IP 65) including supply of Double Compression FLP Glands for all cable entry & sealing stopper for all glands	6	-	-	-	-	-	-	-	18%	-	-
9	Supply of Flameproof Double Pole 16 amps 3 Pin (P, N E) Plug & Socket ((Zone 1 & 2, GAS GROUP IIA & IIB, IP-65)including supply of Double Compression FLP Glands for all cable entry & sealing stopper for all glands	1	-	-	-	-	-	-	-	18%	-	-
<b>TOTAL PRICE (1+2+3+4+5+6+7+8+9)</b>												

**DO NOT QUOTE HERE  
SUBMIT BLANKED OUT PRICE  
SCHEDULE ALONG WITH  
UNPRICED BID**

**Total Price with GST in Words: Rupees..... Only**

**Note :**

- 1) The quantities mentioned above may change, however the rates should remain firm.
- 2) Please fill up, sign, stamp, scan and upload the above mentioned Price Bid in bid common form in e-procurement portal of Balmer Lawrie.
- 3) Please change GST % if required

**Name of the Bidder** :

**Date** :

**Name & Signature of Signatory** :

**Place** :

**Seal of the Company** :