

TENDER DOCUMENT

**SUPPLY, INSTALLATION, INTEGRATION, TESTING
AND COMMISSIONING OF PANEL BOARD WITH
CONTROLS FOR ONLINE POWDER FINISHING
SYSTEM**

AT

HLL FACTORY IN KANAGALA, BELGAUM

**HLL LIFECARE LTD,
CENTRAL ENGINEERING DIVISION
PEROORKADA FACTORY,
THIRUVANANTHAPURAM - 695 005,
KERALA, INDIA.
PHN: ++91 471 2437270
FAX: ++91 471 2432647**

IFB No. :HLL/CED/CON-AUG /SITC/PB/OPFS/HLL CDM/KFB/2014

DATE : 17-12-14

HLL LIFECARE LIMITED

(A Government of India Enterprise)
Central Engineering Division, Peroorkada. P.O,
Thiruvananthapuram – 695005,
Kerala, India
Phn: 0471- 2437270, 2435090
Fax No. (0471) 2432647

INVITATION FOR BIDS (IFB)

IFB NO. : HLL/CED/CON-AUG/SITC/PB/OPFS/HLL CDM/KFB/2014
DATE : 17-12-2014

HLL Lifecare Limited (HLL) invites sealed and super scribed bids from competent and experienced eligible Suppliers/Contractors for the supply of following item in connection with the Condom Capacity Augmentation Project at our Factory at Kanagala,Belgaum.

Sl. No	Brief Description of Item/Work	Quantity	EMD Amount in Rs
1	Supply, Installation, Integration, Testing and Commissioning of Panel Board with Controls for Online Powder Finishing System as per specifications at our factory Kanagala,Belgaum	As per schedule of items	Rs.5000/-

I. INSTRUCTION TO BIDDERS:

1.A complete set of bid documents can be had from the Office of the Associate Vice President (CED), Central Engineering Division, HLL Lifecare Limited, Peroorkada Factory, Thiruvananthapuram – 695 005, Kerala, India during office hours on any working day on submission of written application.

The Tender Documents can also be downloaded from our Website www.lifecarehll.com and the Central Public Procurement Portal of Government of India www.eprocure.gov.in from the date of issue of tender document. Tender forms shall be filled in ink or typed. No tender filled in pencil shall be considered. The tenderer shall sign and seal the form at each page and at the end, in token of acceptance of all the terms and conditions of the tender.

2. The scheduled date for issue, receipt and opening of bids is as follows.

- a) Date of issue of tender document - 17-12-14
- b) Last date and time for receipt of bids - 24-12-14 up to 15.00 Hrs.
- c) Date and time of opening of bids - 24-12-14, 15.30 Hrs.

d) Address for communication, receipt and place of opening of bids:

Associate Vice President (CED)
Central Engineering Division,
HLL Lifecare Limited (A Government of India Enterprise),
PB No 2, Peroorkada, Thiruvananthapuram – 695005,
Kerala State, India
Ph: (++91 471) 2433374,2437270 –501,502
Tele Fax: (++ 91 471) 2432647
E-mail: srnair@lifecarehll.com, rajeevrv@lifecarehll.com

3. The Bid must include the following information;

- a. Enquiry No.
- b. EMD
- c. Promised Delivery Schedule for each item.
- d. Acceptance Form (Schedule II)
- e. Price Schedule in Format For Quoting (Schedule III)
- f. All other documents/certificate/information as specified in the bid document.

4. Each bid must be accompanied by E.M.D. The EMD shall be in the form of Demand Draft from a nationalized bank drawn in favour of HLL LIFECARE LTD, Thiruvananthapuram payable at Thiruvananthapuram. E.M.D. of the unsuccessful bidders will be released after evaluating tenders, keeping only the earnest money of the first three lowest bidders. The earnest money deposit of the remaining two unsuccessful bidders will be released after the acceptance of the notification of award by the successful bidder. The EMD may be forfeited, if a Bidder withdraws his bid during the period of bid validity specified by the Bidder on the Bid Document.

5. The EMD should be enclosed in a separate envelope and super scribed as “EMD” and to be attached in the main cover.

6. SSI units interested in availing exemption from payment of EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC.

7. In addition to the invitation for bids, the bidding documents include the following schedules.

Schedule I - Instruction to the Bidders
Schedule II - Conditions of Contract
Schedule III - Acceptance Form
Schedule IV - Format for quoting

8. The completed and sealed bid documents should be submitted to Associate Vice President (CED), in the above address. The outer cover should bear the Enquiry No,

closing date and General description of item tendered, and the words "DO NOT OPEN BEFORE" 15.30 Hrs (IST) on ----- (Indicate the Closing Date).

9. Bids will be opened in the presence of bidders' representative(s) who choose to attend on the specified date and time, at the office of HLL at the address given in Clause 2 (d) above.
10. In the event of the date specified for bid receipt and opening being declared as a closed holiday for purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
11. The purchaser may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
12. Purchaser will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.
13. HLL reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof.

ASSOCIATE VICE PRESIDENT (CED)

SCHEDULE II

CONDITIONS OF CONTRACT

1) PRICE

The price quoted should be inclusive of Basic Price, all applicable taxes and duties including VAT, Entry tax, Octroi & other levies, P&F charges, loading and unloading charges, insurance, etc. The Supplier should pay entry taxes, as applicable and should be included in the offer.

The Format for Quoting (Schedule III) shall be suitably filled as applicable. The quoted rate shall be valid for a period of 31st March 2015. No price escalation and no change in terms and conditions will be allowed on any ground till the order is completely executed.

2) TAXES/DUTIES/LEVIES

The supplier shall be entirely responsible for all taxes including entry tax, duties, license fees, etc. incurred until successful completion of contract. All central, state, municipal taxes, duties and levies payable shall be shown by the bidder separately in the Bid. The Purchaser will issue necessary 'C' Form, if required.

3) COMPLETION TIME

- a. The item should be delivered within **3 WEEKS** from the date of issuing the Letter of Intent or Supply Order.
- b. The quantity mentioned herein are approximate requirement with staggered delivery.
- c. In case less or more quantity is required the suppliers should be prepared to effect supply at short notice on the same terms and conditions.

4) GUARANTEE PERIOD

The Guarantee against any possible manufacturing defects shall be given for a period of 18 months from the date of supply and inspection of the item at HLL site or 12 months from the date of supply, whichever is earlier. The supplier has to provide 10% performance bank guarantee valid for guarantee period as per tender.

The supplier shall submit the material test certificates for SS material from the manufacturer.

5) LIQUIDATED DAMAGES FOR DELAYS

If the material is not supplied to the purchaser within the time stipulated in the Order, Purchaser may at their option, either (1) recover from the Supplier liquidated damages at the rate of 0.5 % of the total purchase order value for every week of delay, subject to a maximum of 7.5 % of the total purchase order value, or (2) at the risk and cost of the Supplier and without prejudice to the other remedies/rights as per the Contract, terminate the order wholly or partially and complete it themselves or reassign it to other Suppliers.

6. PAYMENT TERMS

90% of total Supply Price will be paid within 30 Days from the date of receipt inspection and acceptance of items at HLL site. Balance 10% of the total supply price will be paid against Performance Bank Guarantee valid for 1 year from the date of acceptance of the item.

7. SETTLEMENT OF DISPUTES

Any disputes or differences or questions or claims arising under or relating to or touching this agreement shall be referred for arbitration to a Sole Arbitrator under the provisions of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof for the time be in force. The award passed by the arbitrator shall be final and binding on the parties hereto.

The contract shall be deemed to have been concluded at Thiruvananthapuram, Kerala and suits and proceedings, if any, shall be only in the courts of competent jurisdiction in Thiruvananthapuram.

The venue of arbitration shall be the place from where the contract is issued.

The company reserves the right to club or split the items of supply and reject or cancel the Invitation for bids without assigning any reason thereof.

SCHEDULE III

ACCEPTANCE FORM

(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)

From

To

Associate Vice President (CED)
Central Engineering Division,
HLL Lifecare Limited (A Government of India Enterprise),
PB No 2, Peroorkada, Thiruvananthapuram – 695005,
Kerala State, India
Ph: (++91 471) 2433374,2437270 -501,502
Tele Fax: (++ 91 471) 2432647
E-mail: srnair@lifecarehll.com, rajeevrv@lifecarehll.com

Dear Sir,

I / We, hereby offer to supply materials as detailed in schedule here to or such portion thereof as you may specify in the acceptance of Bid at the price given in the price bid and agree to hold this offer open till 90 days after the date of bid opening prescribed by the purchaser. I/We have understood the terms and conditions mentioned in the invitation for bid and Conditions of Contract furnished by you and have thoroughly examined the specifications and drawings in the bid document hereto and are fully aware of the nature of the scope of supply and my/our offer is to comply strictly in accordance with the requirement and the terms and conditions mentioned above. I/We have understood that the PURCHASER is the sole owner of the technology, equipment, specification and drawings given along with the bidding documents. I/we here by assure that the above information will be kept confidential and will not be used for any other purpose or will not be transferred to third party.

Yours faithfully,

SIGNATURE OF THE BIDDER

**SCHEDULE IV
SCHEDULE OF ITEMS**

<u>SCHEDULE FOR THE SUPPLY,INSTALLATION,,TESTING & COMMISSIONING OF PANEL BOARD WITH CONTROLS FOR ONLINE POWDER FINISHING EQUIPMENTS AT KANAGALA FACTORY,BELGAUM</u>						
SI No	Item Description	Make	Unit	Quantity	Rate	Amount
I	Supply ,Installation ,Testing and Commissioning of					
1	Panel board having size 1x1x0.4 Mtr 1.6 mm Powder Coated CRCA Sheet panel(The item should confirm IS & IEC standards with Test Certificates)	Rishab , L&T	Nos.	1		
2	Supply and Installation of MCCB		Nos.			
a	MCCB 200 A , 3 Pole ,450Volts ,CAT -B.(It should confirm IS 13032 & IEC standards with Test Certificates and Calibration certificates)	L&T,Siemens, Schneider,ABB	Nos.	1		
2	Supply and Installation of Trivector Meter		Nos.			
	Capable of Measuring KW,KVA,KVAR,V,A,PF and related Electrical parameters with appropriate CTs and PTs.(It should confirm IS 722 & IEC Standards (Part 1 to 9) with Test Certificates and Calibration certificates)	Rishab,Schneider, Omron	Nos.	1		
3	Supply of MCB		Nos.			
a	20 A ,3pole ,415 V MCB (It should confirm IS 13032 & IEC Standards with Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	6		
b	63 A , 3 Pole , 415 V MCB (It should confirm IS 13032 & IEC Standards with Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	2		
c	6A ,3 Pole ,415 V MCB (It should confirm IS 13032 & IEC Standards with Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	7		
d	2A , 2pole , 230 V MCB(It should confirm IS 13032 & IEC Standards with Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	1		
4	Supply of Contactors		Nos.			
a	40 A , 3 Pole , 415 Volts ,230 V Coil (PID Controller)(It should confirm IS 6875 (Part -1) & IS- 2959 & IEC Standards with Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	2		
b	25 A , 3 Pole ,415 Volts ,230 V Coil (It should confirm IS 6875 (Part -1) & IS- 2959 & IEC Standardswith Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	6		

c	6 A , 3 Pole ,415 Volts ,230 V Coil (It should confirm IS 6875 (Part -1) & IS-2959 & IEC Standardswith Test Certificates)	L&T ,Siemens, Schneider,ABB	Nos.	7		
5	Supply and Installation of MPCB(It should confirm IS 13032 & IEC Standardswith Test Certificates)		Nos.			
a	0-4 A , 3 Pole 415 V	Omron,Siemens, Schneider	Nos.	6		
b	0-1.5 A , 3 Pole 415 V	Omron,Siemens, Schneider	Nos.	2		
c	0-12 A , 3 Pole 415 V	Omron,Siemens, Schneider	Nos.	2		
d	0-10 A , 3 Pole 415 V	Omron,Siemens, Schneider	Nos.	2		
6	Supply and installation of ESSR Relay		Nos.			
	ESSR Relay for Preheater 25 Kw(It should confirm IS 6875 (Part -1) & IEC Standards with Test Certificates and Calibration certificates)	Omron ,Rishab	Nos.	2		
7	Supply and Installation of Temperature Controller (PID) with display		Nos.			
a	Programable Temperature Controller (PID) with LED Display(It should confirm IS 6875 (Part -1) & IEC Standards with Test Certificates and Calibration certificates)	Omron, Fuji,Rishab	Nos.	2		
8	Supply and Installation of Variable Frequency Drives(VFD)		Nos.			
a	1 HP VFD(With Test Certificates and Calibration certificates)	Mistubishi,Fuji, Siemens	Nos.	6		
9	Supply and Installation of illuminated Selector switch		Nos.			
a	illuminated Selector switch(It should confirm IS 6875 (Part -2) & IEC Standards)	Schneider, Siemens	Nos.	16		
10	Supply and Installation of illuminated Push button Switches		Nos.			
	illuminated push button switches(Red,Green) 230 V (It should confirm IS 6875 (Part -2) & IEC Standards)	Schneider, Siemens	Set	1		
11	Supply and installation of Emergency Push Button		Nos.			
	Emergency Push Button 450 V,5A(It should confirm IS 6875 (Part -2) & IEC Standards)	Schneider, Siemens	Nos.	1		
12	Supply and installation of CT		Nos.			
	CT(It should confirm IS 2705 (Part -1&2) & IEC Standards with Test Certificates and Calibration certificates)	Schneider, ABB	Nos.	3		
13	Supply and installation of cooling fan,filter,plug &socket ,Panel light		Nos.			

	Cooling Fan , Filter, Plug & Socket ,Panel Light(It should confirm IS 1293 & IEC Standards with test certificate)	Havels/CGL	Set	1		
14	Supply and Installation of RTD		Nos.			
	RTD , PT 100 Type with extended type of Sensor Tube(With Test Certificates and Calibration certificates)		Nos.	2		
	Basic price					
	Packing&Finishing					
	CST/VAT					
	Other charges if any					
	Gross Amount Rs					

(In words)

I agree to supply all the items as per schedule at the rates quoted by me as above and the terms and conditions of the tender document.

SIGNATURE OF THE SUPPLIER

Note : Panel should be earthed with Cu Strippes on both sides it should be as per IS 3043 and door eathing to be provided ,

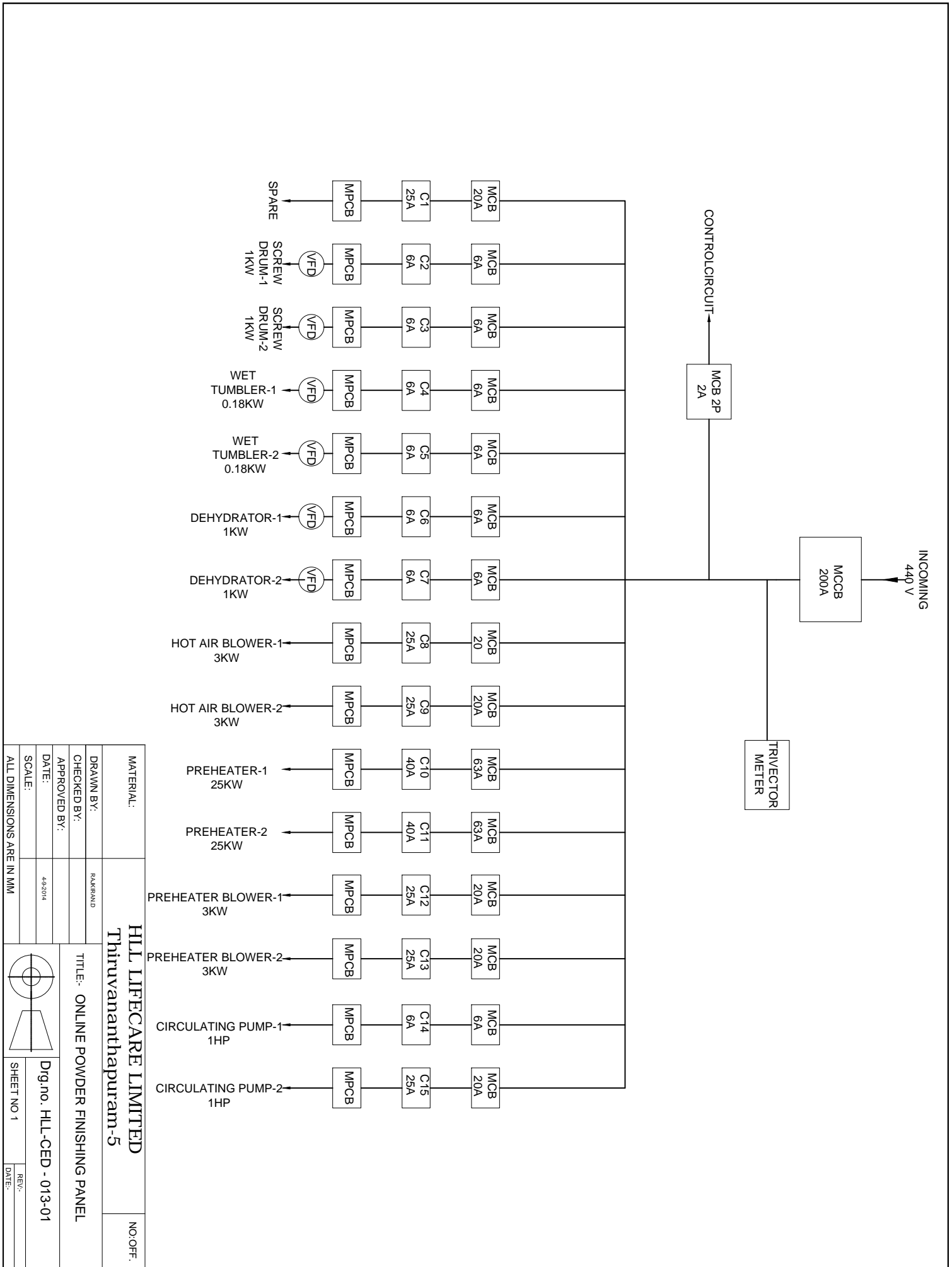
Ferruling is Mandatory for panel internal wiring and for the all Incoming and out going cables ,

Tagging of all components in the panel is also mandatory ,

All the VFD should be mounted on the panel Naming board should be provided for all MCB and Control switches, incoming and out going cables

should be dressed properly with suitable cable ties, All the cables should confirm IS 1554 & IS 694 ,All wiring should be as per IS 732,

All safety measures should be taken at site as per IS 5216 (Part 1&2)



INCOMING
440 V

MCCB
200A

CONTROL CIRCUIT
MCCB 2P
2A

TRIVECTOR
METER

- MCB 20A → C1 25A → MPCB → SPARE
- MCB 6A → C2 6A → MPCB → SCREW DRUM-1 1kW (VFD)
- MCB 6A → C3 6A → MPCB → SCREW DRUM-2 1kW (VFD)
- MCB 6A → C4 6A → MPCB → WET TUMBLER-1 0.18kW (VFD)
- MCB 6A → C5 6A → MPCB → WET TUMBLER-2 0.18kW (VFD)
- MCB 6A → C6 6A → MPCB → DEHYDRATOR-1 1kW (VFD)
- MCB 6A → C7 6A → MPCB → DEHYDRATOR-2 1kW (VFD)
- MCB 20A → C8 25A → MPCB → HOT AIR BLOWER-1 3kW
- MCB 20A → C9 25A → MPCB → HOT AIR BLOWER-2 3kW
- MCB 63A → C10 40A → MPCB → PREHEATER-1 25kW
- MCB 63A → C11 40A → MPCB → PREHEATER-2 25kW
- MCB 20A → C12 25A → MPCB → PREHEATER BLOWER-1 3kW
- MCB 20A → C13 25A → MPCB → PREHEATER BLOWER-2 3kW
- MCB 6A → C14 6A → MPCB → CIRCULATING PUMP-1 1HP
- MCB 20A → C15 25A → MPCB → CIRCULATING PUMP-2 1HP

MATERIAL:		HILL LIFECARE LIMITED Thiruvananthapuram-5		NO.OFF.
DRAWN BY:	RAKRABAND			
CHECKED BY:		TITLE: ONLINE POWDER FINISHING PANEL		
APPROVED BY:		Dwg.no. HLL-CED - 013-01		
DATE:	4-9-2014	SHEET NO 1		
SCALE:		REV. DATE:		
ALL DIMENSIONS ARE IN MM				