

एनएमडीसी लिमिटेड
(भारत सरकार का उद्यम)

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N M D C

NMDC LIMITED

(A Government of India Enterprise)

बैलाडिला आयरन ओर खान

बचेली कॉम्प्लेक्स डैकघर : बचेली

जिला : दक्षिण बस्तर, दंतवाड़ा-494 553 (छ.ग.)

CIN : L13100TS1958GOI001674
GSTIN 22AAACN7325A1Z5

Bailadila Iron Ore Mines
Bacheli Complex, PO : Bacheli, Dist. Dakshin Bastar,
Dantewada - 494 553 (CG State)

E-mail: bld5materials@nmdc.co.in; bld5materials@gmail.com;

(GEM BOQ BID)(PQC)

PR # 30000383 dt. 05.05.2024

PR # 30000476 dt. 26.08.2024

PR # 30000367 dt. 10.05.2024

Date :-10.04.2025

Subject :- Procurement of LT PANELS for NMDC Limited, BIOM, Bacheli Complex, Dist.-Dantewada, Chhattisgarh State.

Dear Sir,

Tender is invited online through GeM Portal for Procurement of LT PANELS for NMDC Limited, BIOM, Bacheli Complex, Dist.-Dantewada, Chhattisgarh State.

The E-procurement would be conducted through GeM Portal only. All Vendors are requested to submit your online bids accordingly.

SL.NO	MATERIAL CODE	ITEM DESCRIPTION & TECHNICAL SPECIFICATIONS	QUANTITY
1	2200000205	PANEL,LT MCC, 3 PHASE,415V,50HZ(For ERS) ALONG WITH INSTALLATION & COMMISSIONING TECHNICAL SPECIFICATION AS PER ANNEXURE – I ALONG WITH GA DRAWING AS PER ANNEXURE- I(A)	02 NOS
2	2200011132	LT PDP PANEL 440V 800 AMP(For SP-5) ALONG WITH INSTALLATION & COMMISSIONING TECHNICAL SPECIFICATION AS PER ANNEXURE – II	01 NOS
3	2200002410	LTMCC PANEL FOR EOT CRANE, (For CP-5) ALONG WITH INSTALLATION & COMMISSIONING TECHNICAL SPECIFICATION AS PER ANNEXURE – III ALONG WITH GA DRAWING AS PER ANNEXURE- III(A,B,C)	01 SET

Handwritten signature and date:
10/4/25

Please attach the following documents duly signed & sealed while uploading your offer on the Portal.

1.	Technical Specification cum Check list sheet as per Annexure-IV
2.	Techno-Commercial (Compliance) Check-List as per Annexure-VI
3.	Self-Certificate regarding Local Content as per Annexure-VII
4.	Proof of EMD paid (DD/Online SBI COLLECT/ Bank Guarantee).
5.	OEM / Valid Authorized Dealership Certificate / Letter.
6.	MSE, PAN & GST Registration Certificate.
7.	Integrity Pact as per Annexure-

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20/01/2020

Revised

Annexure - I

16

**DETAILED TECHNICAL SPECIFICATIONS FOR 415VOLTS, AC
10 Output Feeder LT DISTRIBUTION BOARD**

FOR ERS

SCOPE :

- 1.0** Design, Fabrication, Supply and Testing of Two nos LT panels, 415Volts, Indoor, Metal Clad, dead front switch gear AC LT Distribution Board (LTDB) with 3 (Three) phase and neutral fully insulated copper bus bars having 800 Amps. continuous current rating, housing **fully draw out type 800Amps, Air Circuit Breaker of breaking capacity 50kA as incoming and 10 nos outgoing feeders comprising of MCCBs** with all components and accessories as required as per the single line diagram enclosed. The LT Distribution Board shall conform to IS : 8623-1993 & IEC 439. The LTDB shall be of modular design with bolted assemblies on welded frame. The LTDB shall be conforming to IP-54 protection. The bus bars shall be designed to withstand a fault level of 50kA for 1second. The LTDB shall be suitable for cable entry from bottom. The LTDB shall be fabricated with sheet steel of thickness 2.0mm. The panel shall be painted with Siemens Grey powder coating. Two nos. earthing provisions shall be incorporated in the LTDB.

1.1 INCOMING FEEDER AIR CIRCUIT BREAKER

The AIR CIRCUIT BREAKER (ACB) shall be 3 pole, 415V, 50Hz, AC indoor type, metal clad, dead front, withdrawable type, electrically operated and motor wound spring charged closing with single phase 230V, 50Hz, AC. The ACB shall conform to IS: 13947 (Part-2) -1993 / IEC 60947-2. The rated current shall be 800A. The rated insulation voltage shall be 1KV(1000V). The ACB shall have a minimum short circuit rating of 50kA for 1second. The ACB shall be provided with solid state protection relay suitable for over load, short circuit and earth fault protection. The closing coil shall be suitable for 230V, 50Hz, AC. The ACB shall have minimum 4NO+4NC contacts. The ACB shall have shunt trip release (230V AC). The ACB shall be provided with racking handle and safety shutter.

One set of Current Transformers of ratio 800/5A with 2 secondary cores for metering and protection shall be provided in the incoming feeder. One indicating ammeter of range 0-800A with 4-way selector switch for measuring current in any of three phases shall be provided. One indicating voltmeter of range 0-500V for measuring bus voltage and with 4-way selector switch for measuring the voltages in three phases shall be provided. Red, Yellow & Blue phase identification indication lamps shall be provided.

The terminal connections of the incoming feeder shall be suitable for terminating 1100V grade PVC sheathed, XLPE insulated, armoured, aluminium conductor cable of size 2 X 3.5C X 150 sq.mm.

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Contd....02

::02::

1.2 OUTGOING FEEDERS

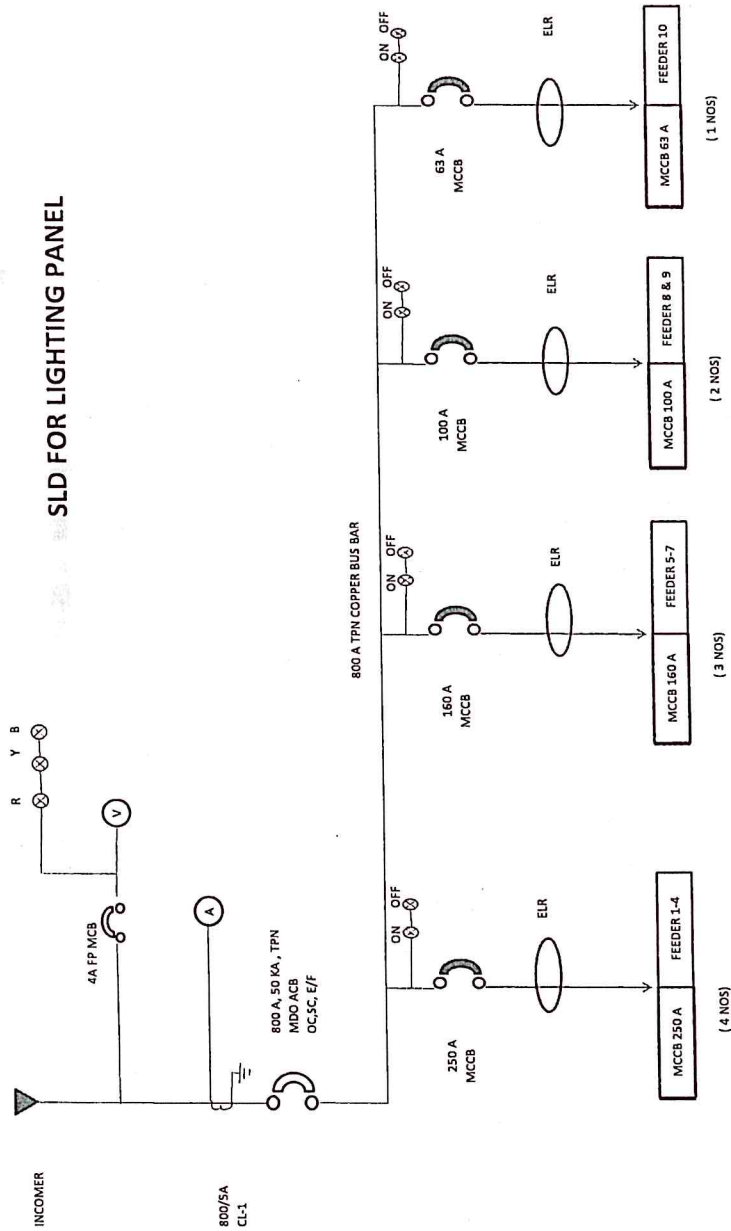
The outgoing feeders shall be panel mounting, non-draw out type complete with front drive mechanism having door interlock, padlock and defeat facility. There shall be 4 nos. 250 Amps MCCBs, 3 nos. 160Amps MCCBs, 2 nos. 100Amps MCCBs & 1 nos. 63Amps MCCBs which shall be AC23 duty, suitably configured to accommodate DIN type. The MCCBs shall be provided with 50KA (DIN type) of required rating. The MCCBs shall be conforming to IS: 13947 (Part-3) –1993.

- 1.3 The tenderers shall submit full details of the LTDB offered, including single line diagram, general lay out, details of ACB, Switch fuse unit, Bus bar arrangement etc.
- 1.4 The size of the panel shall, in general, be conforming to the dimensions given in the rough sketch enclosed.
- 1.5 The successful bidder shall submit test certificates for the panel along with supply.
- 1.6 The successful tenderer shall submit 3 sets of drawings of the panel like single line Diagram, General lay out, control circuit for ACB, O&M manual of ACB etc.
- 1.7 The panel shall conform to relevant sections of IE Rules 1956.

.....
.....
**Make for ACB & MCCBs :- SIEMENS / L&T / ABB / GE / SCHNIEDER
ELECTRIC/C&S**

Earth leakage relay : Prok dv's , L& T, ABB

**Multifunction , Ammeter, Voltmeter , indication lamp , etc : As per IS standard
, Any reputed Make**
.....

G/A Drawing

Satish Anand
MPE (F) Eng.

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Annexure -II

TECHNICAL SPECIFICATIONS:

A. FABRICATION/PAINTING

01. ALL DIMENSIONS ARE IN MM.

02. THE PANEL BOARD SHALL BE CUBICAL DESIGN, COMPARTMENTALISED, FLOOR MOUNTED, FREE STANDING BOTH SIDE EXTENDABLE AS MENTIONED IN GENERAL ARRENGMENT DIAGRAM.

03. PANEL BOARD SHALL BE SUITABLE FOR PROTECTION-IP52

04. THE PANEL SHALL BE FABRICATED WITH :-

- | | | |
|-------|---|----------------|
| (I) | LOAD BEARING MEMBER, REMOAVABLE TOP & BOTTOM SHEET AND EQUIPMENT MOUNTING PLATE | ---2.0MM CRCA. |
| (II) | FRONT DOOR | --- 2.0MM CRCA |
| (III) | REAR DOOR | --- 1.6MM CRCA |
| (IV) | SIDE, PARTITION, TOP/BOTTOM SHEET | ---1.6MM CRCA |
| (V) | UNDRILLED REMOVABLE GLAND PLATE | --- 3.0MM CRCA |
| (VI) | BASE FRAME | --- 3.0MM CRCA |

5. (I) ALL CABLE ENTRIES SHALL BE FROM TOP & BOTTOM AS MENTION IN G.A DIAGRAM

6. PRE- TREATMENT OF PANEL BOARD SHALL BE CARRIED OUT BEFORE PAINTING WITH EIGHT TANK PROCESS

7. THE PANEL SHALL BE PAINTED WITH EPOXY POLYESTER TEXTURE FINISH ELECTRO STATIC PAINT (POWDER COATING) THICKNESS 80-120MICRONS.

- | | |
|--------------------------------|---------------|
| (I) INSIDE/OUTSIDE | ---- RAL 7035 |
| (II) STRUCTURE FRAME | ---- RAL 7035 |
| (III) EQUIPMENT MOUNTING PLATE | ---- RAL 7035 |
| (IV) BASE FRAME | ---- RAL 7035 |

01. THE PANEL BOARD SHALL BE SUITABLE FOR 3 PHASE, 4 WIRE 415V +- 10%, 50HZ +- 5%, AC SUPPLY AND FAULT LEVEL 36KA FOR 1 SECOND.

02. PANEL SHALL BE DESIGNED FOR AMBIENT TEMPERATURE OF 50'C

03. BUS BAR SHALL BE OF ELECTROLYTIC GRADE ALUMINUM SUPPORTED ON NON-HYGROSCOPIC, NON-CARBONIZING, CORROSION RESISTANCE SMC/DMC INSULATORS.

04. ALUMINUM EARTH BUS SHALL BE PROVIDED THROUGHOUT THE PANEL LENGTH WITH GREEN COLOR MARKING.

05. THE BUS BAR SHALL BE INSULATED WITH HEAT SHRINKABLE COLORED PVC SLEEVES RED, YELLOW, BLUE AND BLACK FOR PHASE IDENTIFICATION.

06. THE BUS BAR SLEEVES SHALL BE ABLE TO WITHSTAND 110°C.

07. ACCESSIBLE LIVE PARTS SHALL BE SHROUDED WITH TRANSPARENT ACRYLIC SHEET/HYLEM.

08. TPN MEANS TP SWITCHGEARS WITH REMOVABLE TYPE NEUTRAL LINK.

09. AL CONTROL MCB'S SHALL BE MOUNTED INSIDE THE PANEL WHICH CAN BE OPERATED AFTER OPENING THE DOOR.

10. GASKET SHALL BE PROVIDED INSIDE THE DOOR & PANEL JOINTING.

11. THE MINIMUM CLEARANCE SHALL BE AS FOLLOWING :

- | | |
|------------------------------|------------|
| (a) BETWEEN PHASE TO PHASE | ---- 25MM |
| (b) BETWEEN PHASE TO NEUTRAL | ---- 25MM |
| (c) BETWEEN PHASE TO EARTH | ----- 25MM |
| (d) BETWEEN NEUTRAL TO EARTH | ---- 19MM |

12. CONTROL MCB SHALL BE PROVIDED AS PER REQUIRED RATING.

13. ALUMINUM ANODIZED BASE WITH ENGRAVING COMPUTERIZED PRINTED NAME PLATE SHOULD BE PROVIDED.

14. ALL HARDWARE SHALL BE 8.8 GRADE HIGH TENSILE NICKEL PLATE ONLY.

C. WIRING

1. ALL CONTROL WIRING 1.1 KV AC GRADE FRLS WIRE SHALL BE DONE AS UNDER:-

(a) AC VOLTAGE CIRCUIT: 1.5 SQ.MM RED, YELLOW, BLUE & BLACK

(b) AC CURRENT CIRCUIT: 2.5 SQ.MM RED, YELLOW, BLUE

(c) AC CONTROL CIRCUIT

PHASE : 1.5 SQ.MM RED

NEUTRAL : 1.5 SQ.MM BLACK

(d) DC CIRCUIT (+): 2.5 SQ.MM BLUE

(e) DC CIRCUIT (-): 2.5 SQ.MM WHITE

(f) EARTH WIRE CIRCUIT: 2.5 SQ.MM GREEN WITH YELLOW

2. ALL DOOR SHALL BE EARTHED WITH TIN PLATED BRAIDED COPPER/GREEN WITH YELLOW WIRE.

3. ALL CT'S CONNECTION FOR METERS'S/RELAY SHALL BE THROUGH CT'S SHORTING TERMINALS.

4. STRIP TYPE INTERNAL MOUNTED THERMOSTATICALLY ONTROL 80/100WATT, 240VAC SPACE HEATER SHALL BE PROVIDED.

5. MINIMUM 100% SPARE CONTROL TERMINAL SHALL BE PROVIDED FOR FUTURE USED.

6. COMPUTERIZED PRINTED FERRULES SHALL BE PROVIDED.

D. TESTING

1. FOLLOWING TEST SHALL BE CARRIED OUT ON COMPLETION OF PANELS

(i) CHECK OF BILL OF MATERIAL

(ii) DIMENSION CHECKS

(iii) MEGGER TEST

(iv) HIGH VOLTAGE TEST

(V) OPERATIONAL TEST

TECHNICAL SPECIFICATIONS FOR CP-5

Design, Supply, Installation, Erection and Commissioning of LT MCC Panel (Front Type) for EOT Cranes and Welding Outlets with all accessories as per MCC layout (enclosed) with the following specifications

MCC PANEL DETAILS

S.No	Description of Items	Qty (nos)
Front Side (EOT Crane & Welding outlet Feeders)		
1	INCOMER ACB- 800A	1
2	EOT Crane Feeders & Welding Outlets - 125A (1 to 20) (including spare feeders)	20

Maximum Dimensions of MCC Panels:

Maximum length: 500cm

Maximum Height: 190cm

Maximum Width: 68cm

Incomer ACB:-

- 1) The LT MCC incomer ACB rating will be 3-Phase, Neutral, 415 V AC, 800A, (50kA for 1 sec.)
- 2) The Incomer shall be of Microprocessor based release for O/C, S/C and E/F protections.
- 3) Digital Multifunction Meter shall be provided in Incomer panel to display voltage, current, PF, KWH & KAV etc.
- 4) Indication Lamps for R,Y,B and ON, OFF, TRIP, SPRING CHARGE, TEST & REMOTE shall be provided.
- 5) CT & PT of suitable rating shall be provided for Incomer Metering & Indication lamps circuit.

EOT Crane & Welding Machine Feeders :-

Each Feeder shall be equipped with (including spare feeders)

- 1) 125A MCCB (4-Pole) with built in Thermal Magnetic based release for O/C & S/C with tripping coil.
- 2) Each MCCB shall be provided with Aux Contacts and Rotary Handel for ON & OFF.
- 3) The MCCB's shall confirm to IEC-60947 and IS-13947 and comprises of quick make break switching mechanism with defines variable overload adjustment.



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22/6/23

- III. MINOR
- 4) Digital Earth leakage relay with external CBCT shall be provided and ELR shall be fixed on front side of the feeder (i.e ELR display should be visible from front side of the feeder)
 - 5) ELR circuit shall be such that it should trip the corresponding MCCB in case of any fault observed.
 - 6) ON, OFF & TRIP Indication lamps shall be provided on front side.
 - 7) Feeder names should be mentioned as a name plate on each feeder as per description mentioned in MCC layout drawing.
 - 8) LOTO system should be provided to above all feeders (i.e 20nos LOTO sets for power isolation).
 - 9) All feeders should be prewired with power & control cables as per IS standards. Only outgoing cables shall be connected at cable chamber on site at the time of erection.

General Requirements & Scope of work : -

- 1) The MCC Panel shall be Indoor, Floor Mounted, CRCA sheet of 2MM Thick, Front Compartmentalized type. Old panel layout is kept at C/1-2 for designing new panel.
- 2) The IP protection shall be minimum IP-54 confirming to IS 2147, weather proof and vermin proof.
- 3) MCC Panel shall be provided with removable sheet plates at top (**Top Cable entry**) to drill the holes for cable entry at site as per site requirement is in supplier scope.
- 4) Suitable size of glands shall be provided for cable entry from top site of the MCC panel as per site requirement.
- 5) A base channel of suitable size (as per weight) at the bottom side of MCC shall be provided for supporting and fixing the panel.
- 6) The MCC shall be sufficiently rugged in design and shall support the equipment without distortion under normal and short circuit conditions.
- 7) All sheet steel material shall undergo seven tank process after all the necessary shearing and other mechanical works are completed. The panel colour shall be Siemens grey shade RAL 7032.
- 8) Lockable doors shall be duly inter locked with the MCCB in ON & OFF position. Safety interlocks shall be provided for non-opening of the door when the (i) MCCB is in ON position.
(ii) Shutdown taken through LOTO system. (i.e door will be openable only after returning the shutdown)
- 9) Complete LOTO sets - 20nos with all accessories shall be provided
- 10) A Name Plate with panel description in bold letters at top Left of the individual panel.
- 11) The busbar shall be air insulated and made with high quality, high strength and good conductivity Al as per relevant IS standards.
- 12) The busbar shall be for three phases and neutral system with separate neutral and earth bar.
- 13) The bus bars shall be properly segregated, suitably braced with insulated supports (DMC/FRC/SMC) placed at appropriate intervals to withstand electromagnetic stresses during short circuit.
- 14) Bus bars shall be of uniform cross section throughout the length of panel and up to incoming terminals of the incoming circuit breaker/switch.

- (2)
- 16) Wiring inside the switch gear shall be carried out with PVC insulated, stranded conductor copper wire.
 - 17) Engraved identification ferrules, marked to correspond with the working diagrams shall be fitted to each wire. Ferrules shall be of yellow colour with black lettering.
 - 18) All modules (including spare) shall be complete within terminal wiring.
 - 19) Panel control wiring shall be done by 1.5sq.mm and 2.5 sq.mm copper conductor.

DRAWING, DATA AND MANUALS:

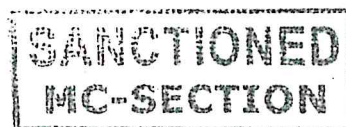
The supplier shall submit the following drawings / data and documents for approval.

1. General arrangement drawing-plan, section and foundation details.
2. Single line drawing for each panel with ratings of components specified.
3. Control circuit diagram for the individual feeder.
4. Bill of quantity with makes specified.
5. Terminal arrangement.
6. Copy of all relevant test certificates.
7. Operational and maintenance manuals for the MCC and major equipment's / components.
8. Guarantee certificate.

TESTS:

The panels shall be subjected to the following types of tests.

1. Physical inspection test.
2. Electrical operation test.
3. Dielectric test (HV testing) at 3KV for one minute.
4. Electrical continuity test before and after HV test.
5. Verification of clearance and Creepage distances.
6. Mechanical operation test.
7. All routine tests as per IS 8623 shall be conducted at manufacturers work and type test certificates shall be furnished. Copy of type test certificates shall also be furnished.



List of Approved Makes

ITEM	MAKE
ACB	C&S/SIEMENS/ABB/L&T/GE/SCHNEIDER/CG
MCCB/MCB	BCH/SIEMENS/ABB/SCHNEIDER/C&S/GE/L&T/CG
C.T	KAPPA/AE
METERS	AE/ RISHAB/IMP/MECCO/SCHNEIDER
TB	CONNECT WELL/ELEMEX/TOSHA/WEGA
INDICATION LAMPS	TEKNIC/VISHNO/BCH/SIEMENS/L&T/GE/ SCHNEIDER/ C&S
ELR	PROK/AE/C&S/ABB/L&T/RISHAB/CG

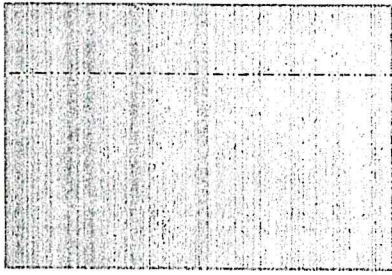
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Sr.Mgr (Elect) CP-5

GIA Drawing

42
260
2

SIDE VIEW

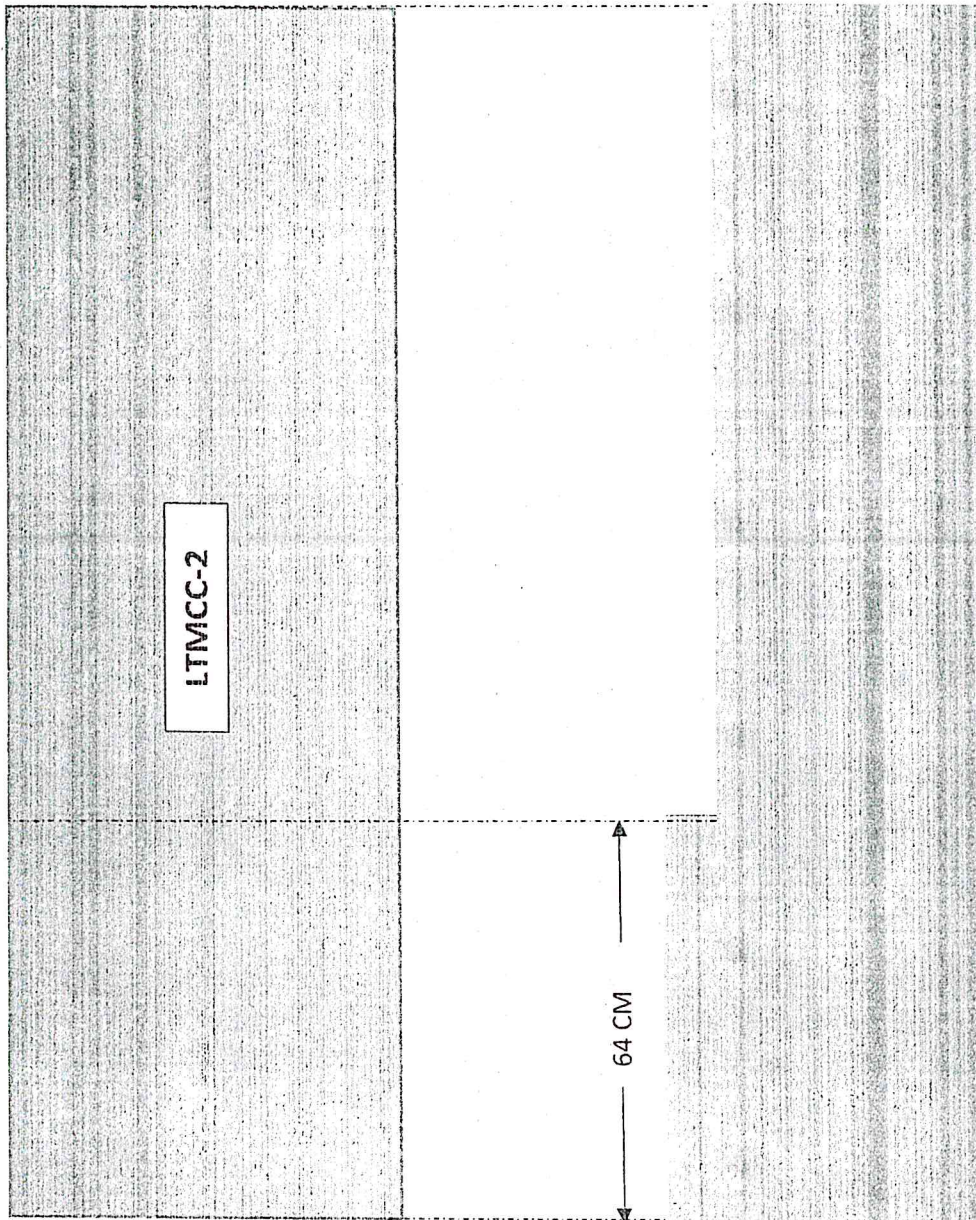
68 CM



210 CM

FRONT VIEW

234 CM



LTMCC-2

64 CM

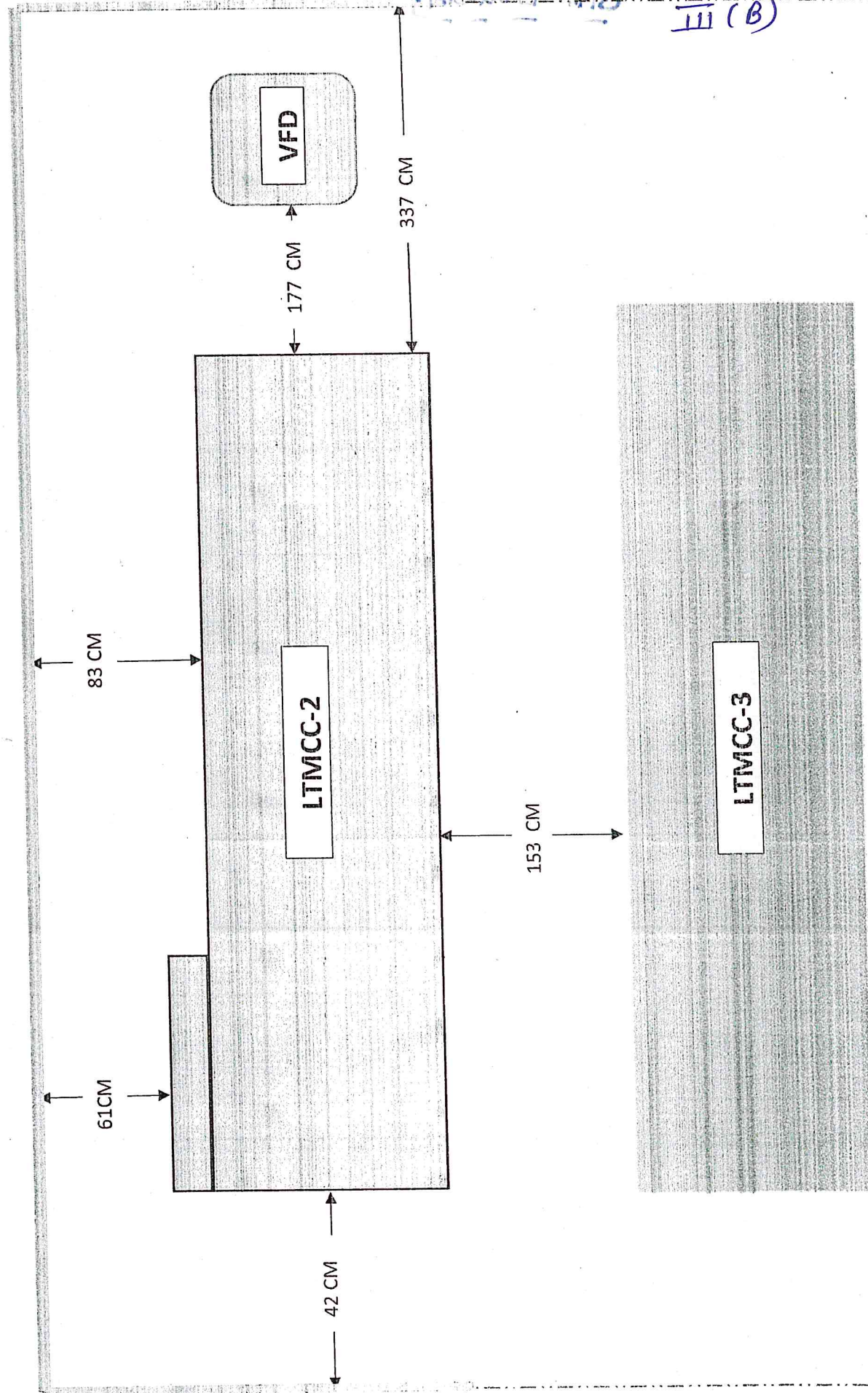
68 CM

48 CM

TOP VIEW

Chunor
22/5/23

WALL



III (B)

Existing LT PCC

III (C)

259

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C A B L E A L L E Y			
C A B L E A L L E Y	MEASURING PANEL	125A OFFICE LEVEL	UPS BLACK
	SIEMENS ACB	63A CCTV/UPS	63A PA SYSTEM
		100A EOT-17	63A MECH OFFICE
		63A LIFT	
	BUSBAR	100A 18.1 WELDING	
		CHANGE OVER	250A SECONDARY WELDING
		400A PRIMARY WELDING	EOT-1

ANNEXURE-IV**TECHNICAL SPECIFICATION CUM CHECKLIST**

S.N.	ITEM CODE / DESCRIPTION	REMARKS	TO BE FIELD BY BIDDER	QUOTED MAKE & MODEL
1.	Item Code- 2200000205			
	PANEL,LT MCC, 3 PHASE,415V,50HZ(For ERS)	ACCEPTED/ NOT ACCEPTED		
	ALONG WITH INSTALLATION & COMMISSIONING	Applicable GST (%)		
	TECHNICAL SPECIFICATION AS PER ANNEXURE – I ALONG WITH GA DRAWING AS PER ANNEXURE- I(A)	6 DIGIT HSN CODE		
2.	Item Code- 2200011132			
	LT PDP PANEL 440V 800 AMP(For SP-5)	ACCEPTED/ NOT ACCEPTED		
	ALONG WITH INSTALLATION & COMMISSIONING	Applicable GST (%)		
	TECHNICAL SPECIFICATION AS PER ANNEXURE – II	6 DIGIT HSN CODE		
3.	Item Code- 2200002410			
	LTMCC PANEL FOR EOT CRANE, (For CP-5)	ACCEPTED/ NOT ACCEPTED		
	ALONG WITH INSTALLATION & COMMISSIONING	Applicable GST (%)		
	TECHNICAL SPECIFICATION AS PER ANNEXURE – III ALONG WITH GA DRAWING AS PER ANNEXURE- III(A,B,C)	6 DIGIT HSN CODE		

SEAL & SIGNATURE BY TENDERER

ANNEXURE-VI**(TECHNO-COMMERCIAL CHECK-LIST TO BE FILLED BY TENDERER)****(Please filled duly signed & Seal & attached as Separate Sheet along with offer)**

SL. No.	DESCRIPTION	Remarks	To be filled & submitted by Bidder (Compliance)
1.	EMD - As per Clause # 1 of Annexure-V Please attach the proof of EMD paid (Online RTGS/ Bank Guarantee). EMD exemption will be as per Tender clauses.	Submitted/ Exemption	
2.	PRICE BASIS-Bacheli Complex (FOR Destination basis only) - As per Clause # 3 of Annexure-V	Accepted Only	
3.	TAXS & DUTIES- As per Clause # 4 of Annexure- V (CGST/SGST/IGST %)	Please specify	
4.	PAYMENT - As per Clause # 5 of Annexure- V	Accepted/ Not accepted	
	I. GST No with a Copy	Please specify & upload	
	II. PAN No. with a Copy	Please specify & upload	
	III. BANK ACCOUNT Details with a cancelled cheque copy	Please specify & upload	
	IV. UDYAM Adhar Registration No. with a Copy, If any	Please specify & upload	
	V. Valid E-MAIL ID	Please specify	
	VI. Valid MOBILE NO.	Please specify	
5.	DELIVERY PERIOD - As per Clause # 6 of Annexure- V Please quote minimum Delivery Period.	Please specify	
6.	BANK CHARGES - As per Clause # 7 of Annexure- V The supplier should bear all types of Bank Charges.	Accepted/ Not accepted	
7.	PLACE OF DELIVERY - As per Clause # 8 of Annexure- V	Accepted/ Not accepted	
8.	LIQUIDATED DAMAGES - As per Clause # 9 of Annexure- V	Accepted/	

		Not accepted	
9.	PERFORMANCE OF BANK GUARANTEE(PBG) - As per Clause # 10 of Annexure- V	Agreed with Remarks	
10.	SECURITY DEPOSIT (SD) - As per Clause # 11 of Annexure-	Agreed with Remarks	
11.	GUARANTEE/WARRANTY- As per Clause # 12 of Annexure- V	Accepted/ Not accepted	
12.	PUBLIC PROCUREMENT POLICY (PREFERENCE TO MAKE IN INDIA) As per Clause # 13 of Annexure- V	Please specify / Uploaded	
13.	INSTALLATION & COMMISSIONING CHARGES - As per Clause # 14 of Annexure- V	Accepted/ Not accepted	
14.	Quantity Tolerance - As per Clause # 15 of Annexure-	Accepted/ Not accepted	
15.	LIMITATION OF LIABILITY - As per Clause # 16 of Annexure- V	Accepted/ Not accepted	
16.	FORCE MAJEURE CLAUSE - As per Clause # 17 of Annexure- V	Accepted/ Not accepted	
17.	INSPECTION - As per Clause # 18 of Annexure- V	Accepted/ Not accepted	
18.	OFFER VALIDITY - As per Clause # 19 of Annexure- V Please confirm your acceptance your offer validity is 180 days as per GeM Portal.	Accepted/ Not accepted	
19.	TRANSPORTATION OF GOODS - As per Clause # 20 of Annexure-V	Accepted/ Not accepted	
20.	WITHDRAWAL OF TENDER - As per Clause # 21 of Annexure- V	Accepted/ Not accepted	
21.	TENDER EVALUATION PROCEDURE - As per Clause # 22 of Annexure V	Accepted/ Not accepted	
22.	DEVIATION - As per Clause # 23 of Annexure- V	Accepted/ Not accepted	
23.	SETTLEMENT OF DISPUTES - As per Clause # 24 of Annexure- V	Accepted/ Not accepted	
24.	AFTER-SALES SERVICE - As per Clause # 25 of Annexure-	Accepted/	

		Not accepted	
25.	INTEGRITY PACT - As per Clause #26 of Annexure-	Submitted/ Not Submitted	
26.	MAKE & MODEL- As per Clause # 27 of Annexure-V Please confirm make of your quoted item	Please specify your Quoted make	
27.	MANUFACTURER TEST CERTIFICATE - As per Clause # 28 of Annexure-	Accepted/ Not accepted	
28.	FITMENT GUARANTEE CERTIFICATE - As per Clause # 29 of Annexure-	Accepted/ Not accepted	
29.	PRICE/PURCHASE PREFERENCES - As per Clause # 30 of Annexure- V	Accepted/ Not accepted	
30.	FALL CLAUSE - As per Clause # 31 of Annexure-	Accepted/ Not accepted	
31.	BANNING OF BUSINESS DEALING - As per Clause # 32 of Annexure- V	Accepted/ Not accepted	
32.	RISK PURCHASE - As per Clause # 33 of Annexure- V	Accepted/ Not accepted	
33.	ORGANISATION CATEGORY - As per Clause # 34 of Annexure- V (Please clearly specify your Organization Category i.e. MSE/ NSIC/ SSI/ NON-SSI/ SC/ST Firm/ Woemen/ Enterprise/ STARTUP/ or Others)	Please specify & upload	
34.	COMPLIANCE TO SA8000 - As per Clause # 35 of Annexure- V	Accepted/ Not accepted	
35.	BID SPECIFIC AUTHORIZATION CERTIFICATE - As per Clause # 36 of Annexure-V	Agreed with Remarks & Uploaded	
36.	SAMPLE - As per Clause # 37 of Annexure-	Accepted/ Not accepted	
37.	DRAWING APPROVAL - As per clause # 38 of Annexure- V	Accepted/ Not accepted	
38.	MSME- As per Clause # 49 of Annexure- V	Please specify & upload	
39.	BOARDER SHARING -As per clause # 40 of Annexure- V	Accepted/ Not accepted	

40.	DENIAL CLAUSE - As per clause # 41 of Annexure- V	Accepted/ Not accepted	
41.	OPTION CLAUSE -As per clause # 42 of Annexure- V	Accepted/ Not accepted	
42	PRE-QUALIFICATION CRITERIA (PQC) As per clause # 44 of Annexure-V & Also attached at Annexure -XI	Submitted document	
43.	Above Techno-Commercial Terms & Conditions and details submitted by tenderer are Fixed & Final and will be considered for offer evaluation. If any deviation are not mentioned by the bidder, it is deemed that they are agreeing to all Bid ATC		

Name of the Firm / Company :-

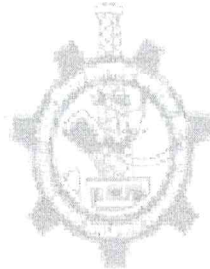
Name of Contact Person & Designation :-

Mobile No. :-

Tele No.& Fax No. (with STD) :-

Email :-

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SIGNATURE & SEAL OF THE TENDERER

GeM Bid Ref No. Date

ANNEXURE-VII

(IN LETTER HEAD OF THE FIRM)

SELF CERTIFICATION regarding LOCAL CONTENT

We..... (Name of the firm) hereby certified that the offered materials are having the LOCAL CONTENT of minimum 50 % and hence we comes under CLASS-I LOCAL SUPPLIER as per definition of Make in India policy of Govt. of India.

The address of Manufacturing Unit:

We also understand that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

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(Sign & Seal)

(OR)

We..... (Name of the firm) hereby certified that the offered materials are having the LOCAL CONTENT of minimum 20% and hence we comes under CLASS-II LOCAL SUPPLIER as per definition of Make in India policy of Govt. of India.

The address of Manufacturing Unit:

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We also understand that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

(Sign & Seal)

(FILL THE RELEVANT PORTION AND SUBMIT / UPLOAD ON THE GEM PORTAL)

Note:-

1. Class-I Local Supplier only shall get purchase preference as per Make in India Policy.
2. Self declaration has to be submitted in the Company Letter head by the bidder

ANNEXURE-VIII

“PROFORMA FOR BANK GUARANTEE TOWARDS E.M.D”

(To be submitted on Rs. 100/- Non Judicial stamp paper and the non-Judicial stamp paper should be in the name of issuing bank)

(TO BE USED BY ALL NATIONAL BANKS)

Bank Guarantee No.

Date:

Ref:

To

NMDC Limited,
Bailadila Iron Ore Mine, Deposit No. 5,10/11A
Bacheli Complex, Bacheli – 494 553.
Distt: South Bastar Dantewada (C.G.)

Dear Sirs,

In accordance with your invitation to tender under reference no.____dtd____, M/s.____Havening its registered/Head Office at____(hereinafter called the tenderer) wish to participate in the said tender for____ and you, as a special favour, have agreed to accept an irrevocable and unconditional Bank Guarantee for an amount of Rs____valid up to____On behalf of the tenderer in lieu of tender deposit required to be made by the tenderer, as a condition precedent for participation in the said tender.

We, the____bank of ____ having our Head Office at ____ (local address) guarantee and undertake to pay immediately on demand by NMDC Limited, Bailadila Iron Ore Mine, Deposit No. 5, 10 & 11A, Bacheli the amount of Rs____(in figures and words) without any reservation, protest, demur and recourse. Any such demand made by said Purchase shall be conclusive and binding on us irrespective of any dispute or difference raise by the tenderer.

This guarantee shall be irrevocable and shall remain valid up to____if any further extension of this guarantee is required, the same shall be extended to such required period (not exceeding one year) on receiving instructions from M/s____whose behalf this guarantee is issued.

This date should be 30 days after the guarantee is valid.

In witness whereof the Bank, through its banker has set its hand and stamp on this____20____

Name, Designation, and Code Number of the Bank Officer(s) signing the Guarantee(s)	Name, Designation, and Code Number Telephone No and Address of the Controlling Officer of the Bank

ANNEXURE-IX

PROFORMA BANK GUARANTEE FOR MATERIALS PERFORMANCE

(To be stamped on Rs. 100/- Non-judicial Stamp Paper)

(TO BE USED BY ALL NATIONALISED BANKS/ SCHEDULED COMMERCIAL BANKS)

To
NMDC Limited
B.I.O.M. Bachel Complex Dep-5,10&11A
Bachel Dist. Dantewada (CG)

BG No.
Date
Amount of Guarantee: Rs.
Guarantee Cover from to
Last Date for Lodgment of Claim

Dear Sir,

In consideration of the **NMDC Limited** (hereinafter referred to as the "Owner" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns) having awarded to M/s _____ with Registered/Head Office at _____ (hereinafter referred to as the "Contractor" which expression shall unless repugnant to the context or meaning thereof include its successors, administrators, executors and assigns) a contract by issue of owner's letter of Award No. _____ dated _____ and the same having been unequivocally accepted by the contractor resulting in a contract bearing No. _____ dated _____ value at _____ for _____ (scope of contract) and the Contractor having agreed to provide a contract performance guarantee for the faithful performance of the entire contract equivalent to * _____% (____percent) of the said value after contract to the owner.

We _____ (i.e. Name and address), having its Head office at _____ (hereinafter referred to as the Bank which expression shall unless repugnant to the context for meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Owner, on demand any and all money payable by the contractor to the extent of _____ as aforesaid at any time up to (**) _____ (i.e. days/month/year) with-out any demur, reservation, contest, recourse or protest and/or without any reference to the contractor. Any such demand made by the owner on the bank shall conclusive and binding notwithstanding any difference between the owner and contractor or any dispute pending before any court, tribunal or any authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the owner and further agrees that the guarantee herein contained shall continue to be enforceable till the owner discharges this guarantee.

The owner shall have the fullest liberty without affecting in any way the liability of the bank under this guarantee from time to time to extend the time for performance of the contract by the contractor. The owner shall have the fullest liberty without affecting this guarantee is postponed from time the exercise of any powers vested in them or of any right which they might have against the contractor and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any convenience, contained or implied in the contract between the owner and contractor or any other course of remedy or security available to the Owner. The Bank shall not be released to its obligations under these presents by any exercise by the owner of its liberty with reference to the matters aforesaid or any of them or by reason of any other acts of omission or commission on the part of the owner or any other indulgence shown by the owner or by any other matters or thing whatsoever which under law would but for the provision, have the effect of relieving the bank.

The Bank also agrees that the owner at its option shall be entitled to enforce this guarantee, against the Bank as a principal debtor, in the first instance without proceeding against the contractor and not withstanding any security or other guarantee that the owner may have in relation to the contractors liabilities.

1. The Bank Guarantee shall remain in full force and effect up to _____ (Date) and the owner shall have the right to demand or claim or en-cash/negotiable this Bank Guarantee within 3 months after the aforesaid date i.e. _____ (date). A demand or claim in writing if received by us within the period i.e. on or before _____ (date) will be honored.
2. This Bank Guarantee shall be extended from time to time for such period by _____ on whose behalf this bank guarantee has been given as desired by the corporation.

Dated this _____ day of _____ 20 _____ at _____.

Witness _____

(Signature)
Banker's rubber stamp

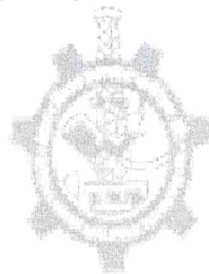
Name, Designation, and Code Number of the Bank Officer(s) signing the Guarantee(s)	Name, Designation, and Code Number Telephone No and Address of the Controlling Officer of the Bank

NOTE :-

- BG SHALL BE TEN PERCENT (10 %) OF THE CONTRACT VALUE OF PURCHASE ORDER.

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- THE CLAIM DATE WILL BE NINETY DAYS (90) DAYS AFTER THE END OF THE WARRANTY PERIOD AS SPECIFIED IN THE CONTRACT.
 - PLEASE FORWARD ORIGINAL BANK GUARANTEE ALONG WITH BANKER AUTHENTICITY LETTER DIRECTLY THROUGH BANK TO NMDC-BACHELI COMPLEX. ELSE BG IS LIABLE FOR REJECTION.

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STANDARD REQUIREMENTS FOR SA8000

- The Supplier/contractor shall comply with all requirements of SA 8000:2014 related to Child Labour, Forced and Compulsory Labour, Health & Safety, Freedom of Association & Right to Collective Bargaining, Discrimination, Disciplinary Practices, Working Hours and Remuneration.
- The Supplier/Contractor is obliged to comply with the applicable legal systems in force. In particular, the Supplier/Contractor shall not engage, actively or passively, nor directly or indirectly any child labour (persons below 14 years of age) and shall not violate basic human rights of its employees. Moreover, the Supplier shall take responsibility for the health & safety of its employees. The Supplier shall act in accordance with the applicable environmental laws and will use best efforts to promote the Code of Conduct among its Suppliers.
- The supplier/contractor shall meet the legislations related to working hours, minimum wages and payment of wages.
- NMDC Limited or any third party on behalf of NMDC Limited shall have the right to visit the supplier/contractor premises to ensure compliance with SA 8000:2014 requirements with or without any intimation.
- In addition to other rights and remedies NMDC Limited may have, NMDC may terminate the work order and/or any purchase order issued there under in case of breach of SA 8000:2014 related obligations by the Supplier/Contractor. However, provided that if the Supplier's/Contractor's breach of contract can be rectified, then NMDC Limited's right to terminate the work order and/or any purchase is subjected to the provision that such breach has not been remedied by the Supplier within a reasonable grace period set by NMDC Limited.
- Supplier/Contractor shall ensure that its direct and indirect subcontractors employed to perform the works commit themselves to the SA 8000:2014 requirements.

The Supplier/Contractor shall:

- a) Give the highest regard to Employee Health & Safety (EHS) to avoid any injury to any person and willful damage to any property;
- b) Ensure that the management of EHS is an integral and visible part of its work planning and execution processes;
- c) Strive for continuous improvement of its EHS performance;
- d) Obtain B.I.O.M Bachel Complex, NMDC Limited's IMS policy, understand and implement the applicable content of this policy;
- e) Monitor and evaluate its safety performance to effectively take such actions as appropriate to rectify or improve its overall safety performance;
- f) Ensure that it complies with all applicable EHS laws and any EHS requirements of NMDC Limited in force from time to time.
- g) Ensure that in case NMDC Limited produces a safety and health documentation for the site (Occupational Safety Plan) and provides Supplier with a copy of the Occupational Safety Plan, Supplier shall confirm receipt thereof in writing and comply with the regulations contained therein. The same shall apply to updates of the Occupational Safety Plan which NMDC Limited may make as it deems necessary. Supplier shall ensure that its direct and indirect subcontractors employed to perform the works commit themselves to the Occupational Safety Plan and its updates. The supplier shall commit to this clause to avoid any injury to any persons who are legally on the work site including its own personnel, NMDC Ltd.'s personnel and visitors.

ANNEXURE-XII

PROPOSED- PRE- QUALIFICATION CRITERIA TERMS AND CONDITONS:

The prospective Bidder (which term shall mean and include the manufacture and/ or its agent(s,) viz. Authorized Distributor/ Dealer/Channel partner/ Marketing/ Trading houses or by whatever other name is known) must have supplied and commissioned, jointly or severally as the case may be **at least 02 nos.**, of similar equipment internationally (i.e. anywhere in India/ outside India) or in India during the last 10 years ending last day of the month previous to the one in which tenders are invited. **At least 01 no.** of such equipment must be working satisfactorily in India or internationally (i.e. any where in India/ outside India) for a minimum period of **One year during the period** from the date of commissioning **to the day** ending last day of the month previous to the one in which tenders are invited. **Documentary evidence to the above should be enclosed.**

List of Required document for PQC Evaluation:

- 5) Copy of purchase order/ work order/contract/ agreement.**
- 6) Copy of commissioning report indicating the same purchase order/ work order/ contract/ agreement reference as per s.no:1 above.**
- 7) Copy of performance report indicating the same purchase order/ work order/ contract/ agreement as per s.no:1 above.**
- 8) Copy of Manufacturer Authorization Letter.(Applicable for Authorized Distributor/ Dealer/Channel partner/ Marketing/ Trading houses etc.)**

Similar Equipment means Equipment of same function and same or higher capacity as per the Technical specifications. Which is as follows:- **"LT PANEL"**

In case bidders who are not in a position to submit the past supply order copies, invoices, commissioning report, satisfactory performance report etc., due to confidentiality law of particular country, a copy of such laws should be enclosed along with the offer for claiming exemption for submitting the above documents and in such cases the bidder should enclose a customer last for the type and model of equipment offered duly in signed and stamped by the Original Equipment Manufacturer and duly notarized although their Indian counter Part/ Agencies, clearly indicating the customer Name & Address, Contact number and date, Date of supply, erection & commissioning, guaranteed annual availability, if any, as per the performance guarantee clause of the supply order/ purchase order and actual achieved annual availability for minimum period of 1 year for each equipment supplied.

The Bidder should give a self- certificate along with their offer in part-A i.e. techno commercial bid, stating that the desired level of performance guarantee parameters stipulated in the order, have been met and no guarantee/ warranty is pending against the supplied order received by them. However, NMDC reserves the right to verify the above or get the performance details from the concerned buyer/ customers of equipment. Bidders are required to furnish relevant information regarding name of the customer, contact details, supply order reference, date of commissioning, hours already worked and present status.

The bidder should have well established after sales services, parts network and repair facility in India or Internationally either through themselves or through their authorized services agents (Documents to be attached). In case the bidder does not have such facility in India, they should establish such facility within 03 months of supply of the equipment (Self Certificate should be attached).

All Bidders should submit PQC supporting document details as below:

Customer Name	PO Qty	PO No & Date	Installation & Commissioning Date	Performance Report Date