



NORTH BIHAR POWER DISTRIBUTION CO. LTD.

[Office of Chief Engineer, Project-II]

(Regd. Office: Vidyut Bhawan, Bailey Road, Patna)

CIN No: U40109BR2012SGC018920

Letter No: 454
[File No: NB/P-II/RDSS/Purnea/Cabcon/108/2023]

Contact No: +91-9264437179

Dated: 28/8/23

E-mail: cerdssnbpdc12@gmail.com

From,

Pranav Kumar,
Chief Engineer (Projects-II)

To,

M/S CABCON India Limited
1st Floor, The Terminus Building, BG-12, Action Area -1B,
New Town, Kolkata-700156 Telephone/Fax numbers: 033 4036 5000
Email: project@cabconindia.com

Sub: • Approval of GTP & Drawings of Single Phase and Three Phase SMDB of M/s EPP Composites private Limited, Rajkot against NIT No: 33/PR/NBPDCL/2022 for Purnea Circle.

Ref: 1. NIT No: 33/PR/NBPDCL/2022.
2. This Office NOA No: NB/P-II/RDSS/Tender/25/2022-19 & 20 dated 06.03.2023.
3. Your Letter No: CIL/NBPDCL/RDSS/Purnea/23-24/197 dated 25.08.2023.

Dear Sir,

With reference to subject noted above, please find attached herewith the GTP & Drawing of following Single Phase and Three Phase SMDB of M/s EPP Composites private Limited, Rajkot for Development of Distribution Infrastructure against NIT No: 33/PR/NBPDCL/2022 for Purnea Circle under RDSS Scheme. The materials list is as follows:

Sl. No	Name of Items	Name of Vendor
1	Single Phase and Three Phase SMDB	M/s EPP Composites private Limited, Rajkot

The Correction wherever required in GTP & Drawings submitted by the contractor has been done. However, these Drawings shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of the correctness of the Drawing as per the specifications as well as supply of material according to the technical specifications of the contract agreement shall be that of the contractor .

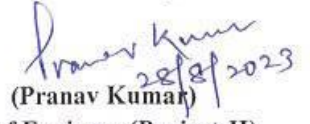
In case of any conflict or contradiction between GTP/Drawing & Technical Specification, the decision of Chief Engineer (Project-II) shall be final and binding on both the parties. Contractor shall

have to replace the material to the entire satisfaction of the owner in case the material is found unsuitable for use in the project at any stage.

Please carry out the works immediately under conditions stated above.

Encl: As above.

Yours faithfully,

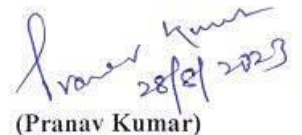

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No. 454

Patna, dated 28/8/23

Copy forwarded to M/s NCC Limited, Hyderabad/M/s Vindhya Telelinks Limited, New Delhi/M/s Polycab limited, Mumbai/M/s Ashoka Buildcon Limited, Nashik/M/s Vaishno Associates Vidyut Projects LLP, Jaipur/M/s M/s JSP Projects Private Limited, Ghaziabad/M/s Techno Power Enterprises Private Limited, Kolkata for information.

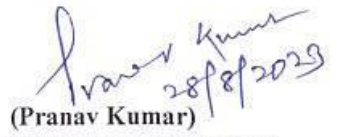

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No. 454

Patna, dated 28/8/23

Copy forwarded to Director (Projects)/OSD to MD, NBPDCCL for kind information.


(Pranav Kumar)

Chief Engineer (Project-II)



GTP FOR SINGLE PHASE DISTRIBUTION BOX WITH CLAMPS

SL. NO.	PARTICULARS	DETAILED PARTICULARS	OFFERED
1.	Manufacturer's Name	EPP COMPOSITES PVT. LTD	EPP COMPOSITES PVT. LTD ✓
2.	Material	Sheet Molding Compound (SMC) as per IS: 13410-1992	Confirm ✓
3.	Grade of Material	SMC Confirming to IS: 13410-1992, Grade - S1/S3.	Confirm ✓
4.	Color of the Box	Off White	Confirm ✓
5.	Properties of Material of Construction of SMC Box		
(a)	Heat deflection temperature (Ref std. IS:13411)	150° C (Min.)	Confirm ✓
(b)	Exposure to flame (Ref. Std. IS: 4249)	Self-extinguishing	Confirm ✓
(c)	Melting Point (Ref. Std. IS: 13360)	Does not melt	Confirm ✓
6.	Inside Dimension of the Box		
(a)	Height	285 mm	Confirm ✓
(b)	Width	225 mm	Confirm ✓
(c)	Depth	120 mm	Confirm ✓
(d)	Thickness of the Box	2.0 mm overall	Confirm ✓
7.	Earthing Arrangement	M6x25 mm Earthing Bolt <i>with nut & washer</i>	Confirm ✓
8.	Hinge	Concealed hinge provided <i>of SS</i>	Confirm ✓
9.	Door Closing Arrangement	"U" shaped Latch provided	Confirm ✓
10.	Locking & Sealing Arrangement	Φ8mm hole for Locking & Φ2.5mm hole for Wire sealing <i>with Lock</i>	Confirm ✓
11.	Bus Bar Details		
(a)	Connectors	2 Core 10 mm ² Insulated Multiple Connector <i>for 0/1/6</i>	Confirm
12.	Connection Arrangement	M6x25 MSZP Bolt with 1 No. Nut & 2 Nos. Washer	Confirm ✓
13.	Cable Entry & Exit Arrangement	1 no. Φ30 mm hole with Rubber Grommet for incoming cable & 8 nos. Φ15 mm hole with Rubber Grommet for outgoing	Confirm ✓
14.	Box Mounting Arrangement	2 Nos. 110x25x3 mm MS Flat	Confirm
15.	Marking	As per drawing	Confirm ✓



CHECKED

- 1) Size of Bus Bar - 17x24 mm² - 2 Nos.
- 2) Clearance between Bus Bar to Bus Bar - 40mm (min)
- 3) Clearance between Neutral Bus Bar to bottom of box - responsibility of correctness of materials
- 4) Bus Bar Material - Ec Grade Aluminium

EPP Composites Pvt. Ltd.

Electrical Division

Chief Engineer (Project-II)

Regd Office : Plot No. 2546, Kirti (Old) MESE (Road) GIDC Lodhika Industrial Estate, Kalawad Road, Metoda - 360 015, Rajkot, Gujarat, India. Phone : +91 2827 287059-60-61. Fax : +91 2827 287063 E mail : info@epp.co.in Website : www.epp.co.in

5) Grade of Protection :- IP-55

6) Marking :- NBPDCI/RDSSLR/Manufacturer Name
Embossed

Danger Marking in Red colour

7) Tempered proof :- Box could not be Tempered through
hot shouldering Iron

8) Current Rating :- 200A

9) Voltage Rating :- 600V

CHECKED
✓
ESE(P-II) ESE(P-II)

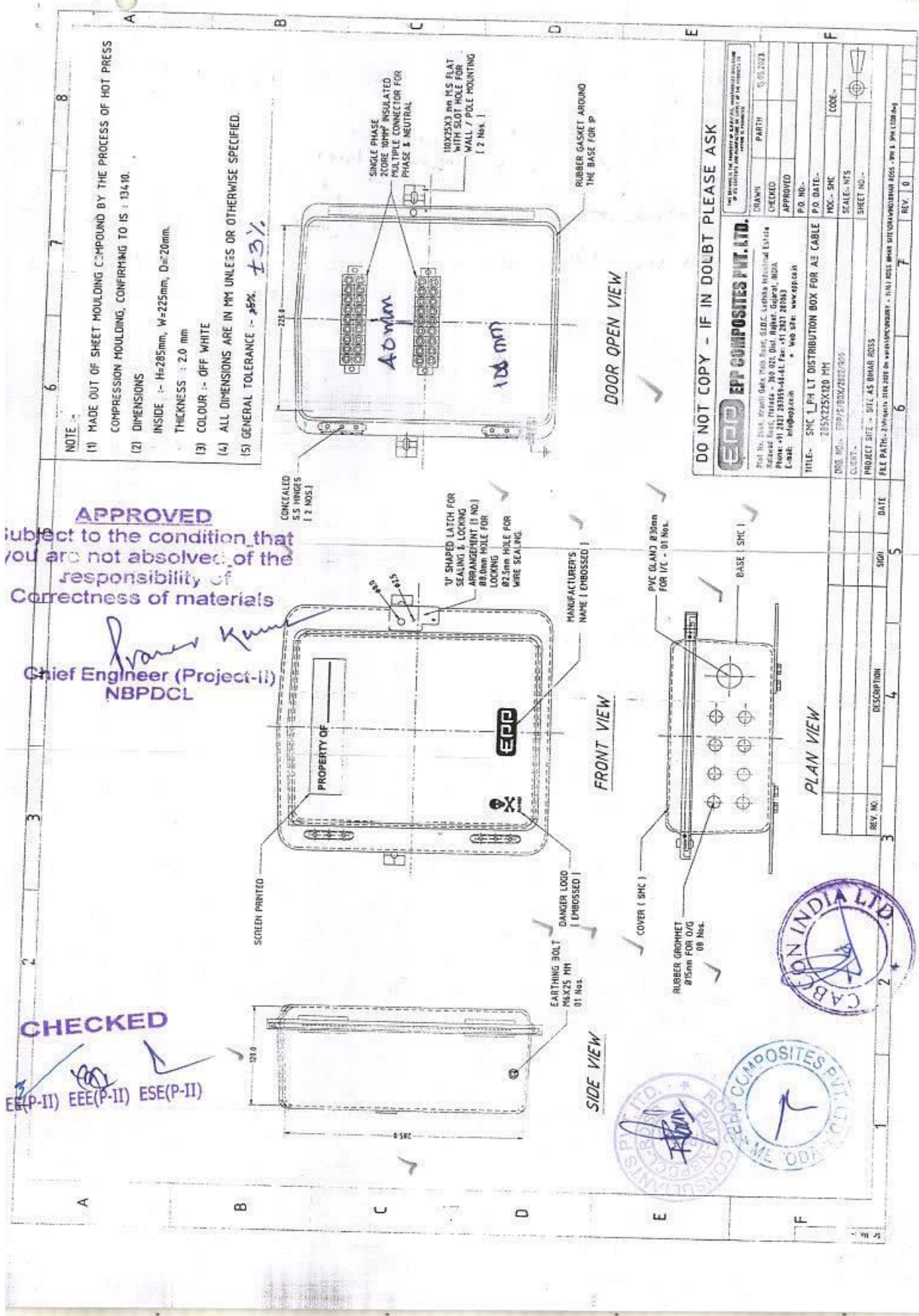
APPROVED
Subject to the condition that
you are not absolved of
responsibility of
Correctness of materials

Ramesh Kumar
Chief Engineer (Project-II)
NBPDCI



CHECKED

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GTP FOR THREE PHASE DISTRIBUTION BOX WITH CLAMPS

SL. NO.	PARTICULARS	DETAILED PARTICULARS	OFFERED
1.	Manufacturer's Name	EPP COMPOSITES PVT. LTD	EPP COMPOSITES PVT. LTD ✓
2.	Material	Sheet Molding Compound (SMC) as per IS: 13410-1992	Confirm ✓
3.	Grade of Material	SMC Confirming to IS: 13410-1992, Grade - S1/S3.	Confirm ✓
4.	Color of the Box	Off White	Confirm ✓
5.	Properties of Material of Construction of SMC Box		
(a)	Heat deflection temperature (Ref std. IS: 13411)	150° C (Min.)	Confirm ✓
(b)	Exposure to flame (Ref. Std. IS: 4249)	Self-extinguishing	Confirm ✓
(c)	Melting Point (Ref. Std. IS: 13360)	Does not melt	Confirm ✓
6.	Inside Dimension of the Box		
(a)	Height	300 mm	Confirm ✓
(b)	Width	418 mm	Confirm ✓
(c)	Depth	120 mm	Confirm ✓
(d)	Thickness of the Box	2.0 mm overall	Confirm ✓
7.	Earthing Arrangement	M6x25 mm Earthing Bolt <i>with Nut & Washers</i>	Confirm ✓
8.	Hinge	Concealed hinge provided <i>of SS</i>	Confirm ✓
9.	Door Closing Arrangement	"U" shaped Latch provided	Confirm ✓
10.	Locking & Sealing Arrangement	Φ8mm hole for Locking & Φ2.5mm hole for wire sealing <i>with LOCK</i>	Confirm ✓
11.	Bus Bar Details		
(a)	Connectors	4 Core 16 mm ² Insulated Multiple Connector	Confirm ✓
12.	Connection Arrangement <i>MB 7-30</i>	M6x25 MSZP Bolt with 1 No. Nut & 2 Nos. Washer	Confirm ✓
13.	Cable Entry & Exit Arrangement <i>Ø4</i>	1 no. Φ30 mm hole with Rubber Grommet for incoming <i>2Ø</i> cable & 2 nos. Φ15 mm hole with Rubber Grommet for <i>Ø2</i>	Confirm ✓
14.	Box Mounting Arrangement	2 Nos. 110x25x3 mm MS Flat	Confirm ✓
15.	Marking	As per drawing	Confirm

APPROVED
Subject to the condition that you are not absolved of the responsibility of Correctness of materials

Chief Engineer (Project-II)
NBPDCI



1) Size of Bus Bar :- 17 x 24 mm² for RYB Phase
20 x 16 mm² for Neutral
Clearance between Busbar to Busbar
3) clearance between Neutral Bus Bar to bottom of box :- 100 mm

4) Bus Bar Material :- Ec Grade Aluminium

EPP Composites Pvt. Ltd.
Electrical Division

Regd Office : Plot No. 2646, Kranti Gate Main Road, GIDC Lodhika Industrial Estate, Kalawad Road, Meinda - 360 021 Rajkot, Gujarat, India.
Phone : +91 2827 287050-60-61, Fax : +91 2827 287083 E mail : info@epp.co.in Website : www.epp.co.in



5) Grade of Protection :- IP-55

6) Marking :- NBPDEL / BSS-LR / Manufacturer Name
Embossed

∴ Danger Marking in Red colour

7) Temper Proof :- Box could not be Tempered through rough hot shouldering Iron

8) Current Rating :- 200A

9) Voltage Rating :- 600V

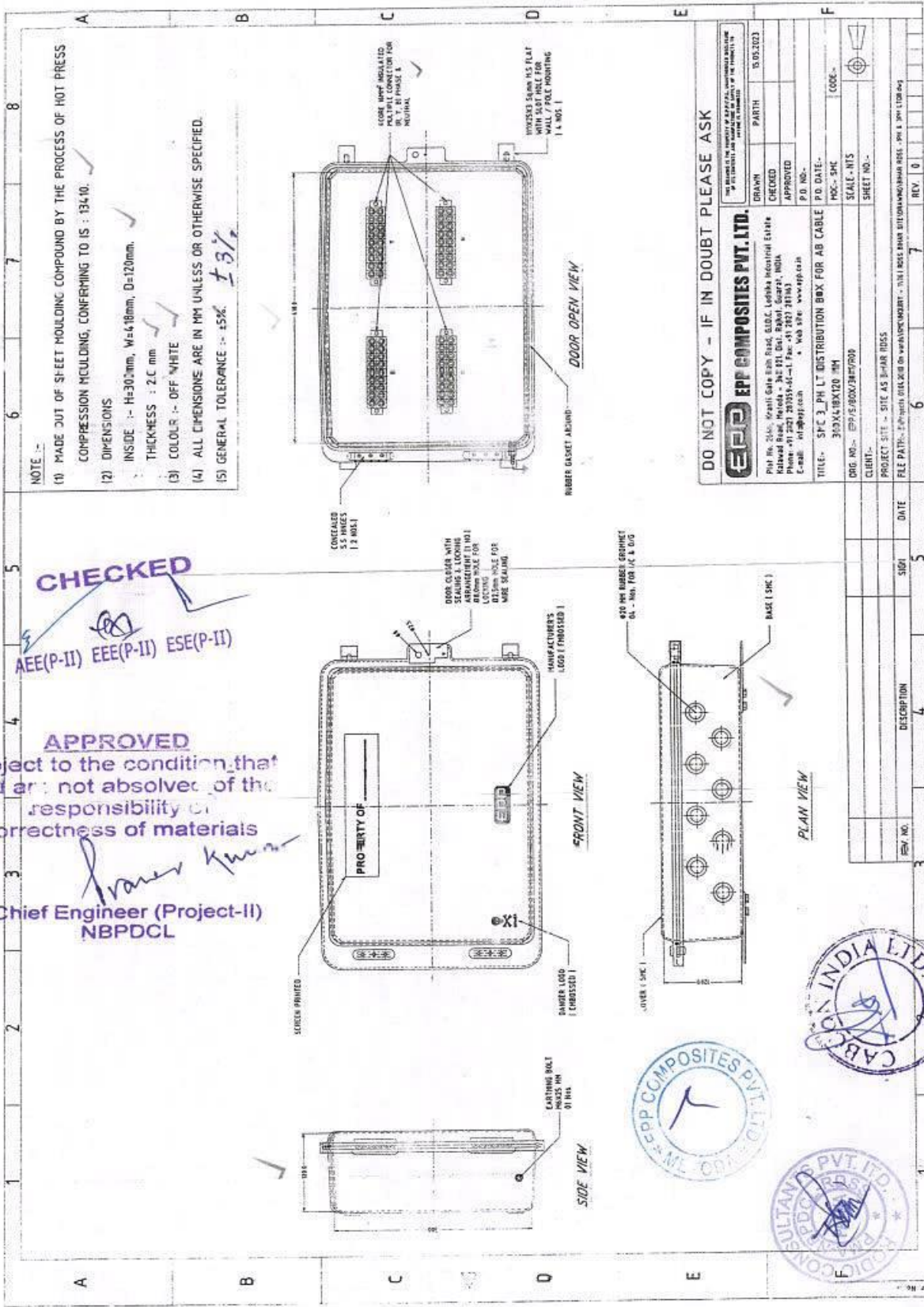
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AEE(P-II) EEE(P-II) ESE(P-II)



APPROVED
Subject to the condition that
you are not absolved of the
responsibility of the
Correctness of materials

Younis Khan
Chief Engineer (Project-II)
NBPDCI





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AEE(P-II) EEE(P-II) ESE(P-II)

APPROVED

Subject to the condition that you are not absolved of the responsibility of correctness of materials

[Signature]

Chief Engineer (Project-II)
NBPDCI

DO NOT COPY - IF IN DOUBT PLEASE ASK

EPP COMPOSITES PVT. LTD.

Plot No. 266, Narali Ghat, Bhi. Road, B.D.C. (Lokha Industrial Estate)
New Market, Bhi. Road, Bhi. Road, Bhi. Road, Bhi. Road, Bhi. Road
Phone: +91 2021 20351-41, Fax: +91 2021 20351-42
E-mail: info@epp.com, Web Site: www.epp.co.in

Part No. 31034418X120 - 01

DATE: 15.03.2023

CHECKED: [] PART: []
APPROVED: []
P.D. NO.: []

P.O. DATE: []
MOS.: SMC
SCALE: NTS
SHEET NO.: []

CLIENT: EPP/6/000/34/5700B
PROJECT SITE: SITE AS 3-PHAR TDS
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