

QA PLAN NO.: QTIMT/MVENDOR/QA#12016-17/6FAC006/ CLAMPING PLATE NDE MCD REV 01 DT: 28.02.2017
REFERENCE- DRG. NO. 244544G0051

Notes: 1) All TR, SR checked by TR, TPI/MAC (dully signed & sealed) as per above QAP requirement shall be submitted along with Reconsignment. 2) Quality requirement is to be fulfilled as per para 6 (TR12545).

Abbreviation: A - Critical, B-Major, C-Minor, D-Verification of Instrument/Gauges.

AGENCIES: S. M. L. & Co. (PVT) LTD. QUALITY CONTROL. BHEL, BHOPAL.

TPIA-BHEL appointed third Party Inspecting Agency
T P - Task Performer

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO.: QTM/TM/VENDOR/QAP/2013-17/EFRA6068/ BEARING CAP NDE MCD REV 01 DT. 28.02.2017.
REFERENCE: DRG NO. 34454464051

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg. no.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg. TM 12545	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-		SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.

PREPARED BY

APPROVED BY

Notes:

- 1) All TR, SR checked by TP, TP/A, QC (duly signed & sealed) as per above QAP requirement shall be submitted along with consignment.
- 2) Quality requirement is to be fulfilled as per note 6 (TM12545)

Abbreviation: A - Critical, B - Major, VR - Verification, I - Instrument/ Gauges,

TR - Test Record, S-R - Shop Record.

AGENCIES:

TP/A - BHEL appointed third Party Inspecting Agency
TP - Task Performer

6
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14

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/TM/VENDOR/QAP/2015-17/FR4666/OUTER BEARING CAP DE REV 01 DT. 28.02.2017
 REFERENCE - DRG NO. 1445364051

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg.	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-	TM 12545	SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY				APPROVED BY				

[Signature]
 Ram Yadav

- Notes:
- 1) All TR, SR checked by TP, TP/A/QC (fully signed & sealed) as per above QAP requirement shall be submitted along with consignment.
 - 2) Quality requirements to be fulfilled as per table 6 (TM12545)

Abbreviation: A - Critical, B - Major, VR - Verification, I - Instrument/ Gauges,
 TP - Test Record, SR - Shop Record.

AGENCIES:

TP/A - BHEL appointed third Party Inspecting Agency
 TP - Task Performer

[Signature]
 S. M. Bhatnagar
 BHEL, Bhopal consignment.

[Circular Stamp]
 13

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QAP PLAN NO. : QTM/TM/VENDOR/QA/2016-17/5FRA6088/END FRAME HIDE REV 01 DT. 28.02.2017
 REFERENCE - DRG NO. 04454464051

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg. TM 12545	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-	-	SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	-
6.0	Packaging suitability for transit & storage	B	VR	100%	--	--	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY <i>[Signature]</i>								
APPROVED BY <i>[Signature]</i>								

Notes:
 1) All TR, SR checked by TP, TP/A & (fully signed & sealed) as per above QAP requirement shall be submitted along with consignment.
 2) Quality requirement is to be fulfilled as per role 1 (TTM12545)

Abbreviation: A - Critical, B - Major, VR - Verification, Instrument Gauges,
 TR - Test Record, S - Shop Record.

AGENCIES:
 TP/A - BHEL appointed third Party Inspecting Agency
 TP - Task Performer

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BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/TM/VENDOR/QAP/2016-17/6FRA6C6E/END FRAME DE REV 01 DT 26.02.2017
REFERENCE: DRG NO. 04454364051

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per drg	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per drg	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-	As per Drg Note 4	SR	Sample to be submitted
5.0	Surface finish	A	I	100%	20%	As per Drg Note 10	SR	Report to be submitted
6.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	
7.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.

PREPARED BY

APPROVED BY

Notes: 1) All TR, SR checked by QA/QC (duly signed & sealed) as per above QAP requirement shall be submitted along with consignment.

2) Quality requirement is to be fulfilled as per note 12 (TM12545)

Abbreviations: - CH - Check, P - Major, VR - Verification, I - Instrument/ Gauges, SR - Shop Record, S R - Shop Record.

AGENCIES:

TP/A - BHEL appointed third Party Inspecting Agency

TP - Task Performer.

121
3
11

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/TM/VENDOR/QAP/2016-17/166RA6086/STATOR CHAMBER NDE DT. 27.02.17 REV 01
 REFERENCE: DRG NO. 04453164054

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per drg and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Dimensions as drg.	A	I	100%	20%	As per drg.	SR	Report to be submitted
3.0	Test	A	I	100%	As per spec. cl 4.1	As per spec. TM11486	SR	Report to be submitted
4.0	Test sample	A	VR	Drg n/a 5	Verification	As per drg and relevant spec.	SR	Reports is to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	Verification	Clause 8 of spec. TM11486	SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY							APPROVED BY	

[Signature]
 22/02/2017
 RAN YADAV

Notes: 1) All TIRs to be signed & sealed as per above QAP requirement shall be submitted to the Quality Control Department (SQA) for approval.

Abbreviation: TR - Test Record, S.R. - Shop Record, W. - witness

AGENCIES: SQA, BHEL, Bhopal

TPA - BHEL appointed third Party Inspecting Agency
 TP - Task Performer

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/TX/M/VENDOR/QAP/2016-17/16FRA6068/STATOR CHAMBER DE DT. 06.08.2016 REV 00
REFERENCE- DRG NO. 04453164053

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	Drg. no. 04453164053 (latest revision)	TR	TEST LAB NABL / EQUIVALENT ACCREDITED/ SOURCE MILL. (Supplier to get the raw material correlated with TC, purchase document from TP/A/QC). TC to be Submitted
2.0	Dimensions as drg.	A	I	100%	20%	Drg. no. 04453164053 (latest revision), As per spec. TM11486	SR	Report to be submitted Report to be submitted
3.0	Test	A	I	100%	As per spec. cl 4.1	Drg. no. 04453164053 (latest revision)	SR	Reports is to be submitted
4.0	Test sample for metallurgy test	A	VR	Drg note 5	Verification	Clause 8 of spec. TM11486	SR	
5.0	Identification Vendor Name, PO No. & item serial no.	A	VR	100%	Verification		SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	20%		SR	Packaging shall be such that during transit components should not damage.
PREPARED BY APPROVED BY								

Notes: 1) All TR, SR checked by TP/A/QC (duly signed & sealed) as per above QAP requirement shall be submitted along with consignment.
2) Final acceptance will be based on checking at BHEL, Bhopal.

Abbreviation: A - Critical, B- Major, VR - Verification, I-Instrument/ Gauges,
T R - Test Record, S R- Shop Record, W- witness

AGENCIES:
TP/A - BHEL appointed third Party Inspecting Agency
T P - Task Performer

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/VM/VENDQ/QOAP/2016-17/SFRA068/ SPEED PROBE/1:1:USING REV 01 DT.23.02.2017
REFERENCE- DRG NO.14450164053

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				ITP	TPIA			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg. TM 12545	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-		SR	Sample to be submitted
5.0	Surface finish	A	VR	100%	10%	As per Drg. note 8	SR	Report to be submitted
6.0	Identification Vendor Name, PO No. & item serial no.	A	VR	100%	10%	PO/Drawing	SR	
7.0	Packaging suitability for transit & storage	B	VR	100%	20%		SR	Packaging shall be such that during transit components should not damage.
PREPARED BY							APPROVED BY	

Notes:

- 1) All TR, SR checked by T P - Task Performer & sealed) as per above QAP requirement shall be submitted along with Consignment.
- 2) Quality requirement is to be fulfilled as per note 10 (TM12545)

Abbreviation: A - Critical, B - Major, VR - Verification, I - Instrument/ Gauges.

T R - Test Record, S R - Shop Record.

AGENCIES:

TPIA - BH&L appointed third Party Inspecting Agency

T P - Task Performer

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BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSFORMATION
QUALITY ASSURANCE PLAN (QAP)
QA PLAN NO. : Q1MTM/VENDOR/IOA/12013-17/BS/RA6008/INNER LAB/INTH DE REV 01 DT. 28.02.2017
REFERENCE: DRG NO. 444335A051

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTITY OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				IP	TPA			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Dirgand relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED / SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Dirg.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Dirg.	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-	TM 12545	SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & item serial no.	A	VR	100%	10%	PO Drawing	SR	-
6.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY				APPROVED BY				

Notes:
 1) All TR, SR checked by TPA/IOA (fully signed & sealed) as per above QAP requirement shall be submitted along with consignment.
 2) Quality requirement is to be fulfilled as per no. 89 TM 12545

Abbreviation: A - Critical, B - Major, VR - Verification, I - Identification, IP - Inspection, TPA - Test Record, SR - Shop Record.

AGENCIES:
 TPA - BHEL appointed third Party Inspecting Agency
 T P - Task Performer

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BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QAP PLAN NO. : QTM/TP/ENDOR/CAP/2016-17/6FRA6068/INNER LAB/INTH NDE REV 01 DT. 28.02.2017
REFERENCE - DRG NO. 44454154052

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NABL /EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg. TM 12545	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-		SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	--	--	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY				APPROVED BY				

Notes:
1) All TR, SR checked by TP/TP/A/QC (signed & sealed) as per above QAP requirement shall be submitted along with consignment.
2) Quality requirement is to be fulfilled as per note 6 (TM12545)

Abbreviation: A - Critical, B - Major, VR - Verification, I - Instrument/ Gauges,

TR - Test Record, SR - Shop Record.

AGENCIES:

TP/A - BHEL appointed third Party Inspecting Agency

TP - Task Performer

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BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QAP PLAN NO.: QTM/INVEN/DOR/QAP/2016-17/678A6066/INNER LARSENTH DE REV 01 DT. 23.02.2017
 REFERENCE: DRG NO. 4445364053

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TPA			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NABL / EQUIVALENT ACCREDITED / SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg. TM 12545	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-	-	SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	-
6.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.

PREPARED BY

APPROVED BY

Notes:
 1) All TR, SR checked by TP, TPIA/QC (Quality Engineer & sealed) as per above QAP requirement shall be submitted along with consignment.
 2) Quality requirement is to be fulfilled as per note 6 (TM 12545)

Abbreviation: A - Critical, B - Major, VR - Verification, I - Instrument Gauges
 TR - Test Record, SR - Stock Record.

AGENCIES:

TPA - BHEL appointed third Party Inspecting Agency
 TP - Task Performer

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BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/TM/VENDOR/QAP/2016-17/FR-4563/INNER LABRINTH DE REV 01 DT. 28.02.2017
REFERENCE - DRG NO. 44454364052

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TFIA			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB NASL /EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg.	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg. TM 12545	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-		SR	Sample to be submitted
5.0	Identification Vendor Name, PO No. & Item serial no.	A	VR	100%	10%	PO/Drawing	SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	-	-	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY			APPROVED BY					

Notes:

- 1) All TR, SR checked by T P - Task Performer (duly signed & sealed) as per above QAP requirement shall be submitted along with consignment.
- 2) Quality requirements to be fulfilled as per note 6 (TM12545)

Abbreviation: A - Critical, B- Major, VR - Verification, I- Instrument/ Gauges,

TR - Test Record, SR - Shop Record.

AGENCIES:

TFIA -BH&L appointed third Party Inspecting Agency

T P - Task Performer

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QUALITY CONTROL TRANSPORTATION
QUALITY ASSURANCE PLAN(QAP)

QA PLAN NO. : QTM/TM/VENDOR/QAP/2016-17/6FRA5050/ INNER LABRINTH NDE REV 01 DT. 28.02.2017
REFERENCE- DRG NO. 44454434051

SL. NO.	CHARACTERISTIC	CLASSIFICATION	TYPE OF CHECK	QUANTUM OF CHECK		REF. DOCUMENT	FORMAT OF RECORD	REMARKS
				TP	TP/A			
1.0	Raw Material Test Certificate	A	VR	100%	100%	As per Drg. and relevant spec.	TR	TEST LAB INASL /EQUIVALENT ACCREDITED/ SOURCE MILL.
2.0	Critical Dimensions as per CTQ marked	A	I	100%	20%	As per Drg	SR	Report to be submitted
3.0	Other dimensions	B	I	100%	10%	As per Drg.	SR	Report to be submitted
4.0	Test Sample	A	Sample Identification	-	-	TM 12545	SR	Report to be submitted
5.0	Identification Vendor Name, PO No. & item serial no.	A	VR	100%	10%	PO/Drawing	SR	
6.0	Packaging suitability for transit & storage	B	VR	100%	--	-	SR	Packaging shall be such that during transit components should not damage.
PREPARED BY				APPROVED BY				

Notes:

- 1) All TR, SR checked by T P / A / G C (Quality signed & sealed) as per above QAP requirement shall be submitted along with consignment.
- 2) Quality requirement is to be fulfilled as per note 6 (TM12545)

Abbreviation: A - Critical B - Major VR - Verification, I - Instrument/ Gauges.

TR - Test Record, SR - Shop Record.

AGENCIES:

TP/A - BHEL appointed third Party Inspecting Agency
T P - Task Performer

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