

TENDER SPECIFICATION DOCUMENT

Torque Screwdriver/Torque Wrench

1. Adjustable Torque Screwdriver (slipping mechanism), 2 to 30 cN-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable, slipping mechanism, vertical, torque value clearly visible on the window of the handle
2.	Range	2 to 30 cN-m
3.	Graduation/division	0.3 cN-m or better
4.	Working accuracy	±6 % tolerance of the set torque or better
5.	Drive details	¼ inch female hexagon drive for use with ¼ inch hexagon bit
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Precision mechanism slips very noticeably when the set torque is reached, clockwise and anticlockwise tightening
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

2. Adjustable Torque Screwdriver (slipping mechanism), 20 to 120 cN-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, slipping mechanism, vertical, torque value clearly visible on the window of the handle
2.	Range	20 to 120 cN-m
3.	Graduation/division	1 cN-m or better
4.	Working accuracy	±6 % tolerance of the set torque or better
5.	Drive details	¼ inch female hexagon drive for use with ¼ inch hexagon bit
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Precision mechanism slips very noticeably when the set torque is reached, clockwise and anticlockwise tightening
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

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3. Adjustable Torque Screwdriver (slipping mechanism), 40 to 300 cN-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, slipping mechanism, vertical, torque value clearly visible on the window of the handle
2.	Range	40 to 300 cN-m
3.	Graduation/division	1 cN-m or better
4.	Working accuracy	±6 % tolerance of the set torque or better
5.	Drive details	¼ inch female hexagon drive for use with ¼ inch hexagon bit
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Precision mechanism slips very noticeably when the set torque is reached, clockwise and anticlockwise tightening
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

4. Adjustable Torque Screwdriver (slipping mechanism), 1 to 5 N-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, slipping mechanism, vertical, torque value clearly visible on the window of the handle
2.	Range	1 to 5 N-m
3.	Graduation/division	3 cN-m or better
4.	Working accuracy	±6 % tolerance of the set torque or better
5.	Drive details	¼ inch female hexagon drive for use with ¼ inch hexagon bit
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Precision mechanism slips very noticeably when the set torque is reached, clockwise and anticlockwise tightening
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

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5. Adjustable Torque Screwdriver (slipping mechanism), 4 to 10 N-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, slipping mechanism, vertical, torque value clearly visible on the window of the handle
2.	Range	4 to 10 N-m
3.	Graduation/division	6 cN-m or better
4.	Working accuracy	±6 % tolerance of the set torque or better
5.	Drive details	¼ inch female hexagon drive for use with ¼ inch hexagon bit
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Precision mechanism slips very noticeably when the set torque is reached, clockwise and anticlockwise tightening
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

6. Adjustable Horizontal Torque Wrench, 0.4 N-m to 2.0 N-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, ratchet head form, horizontal, torque value clearly visible on the window of the handle
2.	Range	0.4 to 2.0 N-m
3.	Graduation/division	0.03 N-m or better
4.	Working accuracy	±6 % tolerance of the set torque or better
5.	Drive details	¼ inch square
6.	Unit	N-m/cN-m, in-addition to metric system inch unit i.e. pound force inch may be available
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Click/cut sound clearly noticeable when the set torque is reached
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

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Torque Screwdriver/Torque Wrench

7. Adjustable Horizontal Torque Wrench, 2.0 N-m to 10.0 N-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, ratchet head form, horizontal, torque value clearly visible on the window of the handle
2.	Range	2.0 to 10.0 N-m
3.	Working accuracy	±6 % tolerance of the set torque or better
4.	Graduation/division	0.6 N-m or better
5.	Drive details	¼ inch square
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Click/cut sound clearly noticeable when the set torque is reached
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

8. Adjustable Horizontal Torque Wrench, 4.0 N-m to 20.0 N-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, ratchet head form, horizontal, torque value clearly visible on the window of the handle
2.	Range	4.0 to 20.0 N-m
3.	Working accuracy	±6 % tolerance of the set torque or better
4.	Graduation/division	0.3 N-m or better
5.	Drive details	¼ inch square
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Click/cut sound clearly noticeable when the set torque is reached
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

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9. Adjustable Horizontal Torque Wrench, 10.0 N-m to 50.0 N-m

SL.NO.	DESCRIPTION	SPECIFICATION/TYPE
1.	Type	Adjustable torque, ratchet head form, horizontal, torque value clearly visible on the window of the handle
2.	Range	10.0 to 50.0 N-m
3.	Working accuracy	± 6 % tolerance of the set torque or better
4.	Graduation/division	0.5 N-m or better
5.	Drive details	3/8 inch square
6.	Unit	N-m/cN-m
7.	Material	Torque wrench body-Chrome Vanadium steel
8.	Torque scale	Clearly visible with markings (along with unit)
9.	Hand grip	Ergonomic/non-slip
10.	Standard	DIN3126/ISO1173/DIN EN ISO6789
11.	Other feature/requirement	Click/cut sound clearly noticeable when the set torque is reached
12.	Certification	Calibration certificate (from standard laboratory/factory), OEM authorization certificate

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General terms and conditions (applicable for all)

1. Standards for Tools-

DIN3126/ISO1173/DIN EN ISO6789.

2. Evaluation criteria –

- a) Bidding can be done on item-wise basis.
- b) Order can be split on item-wise L1 supplier basis (subject to technical compliance).

3. Supply conditions-

- a) Each tool/tools should be packed in proper plastic/equivalent hard box packing.
- b) Loose tools/items are not acceptable.
- c) Delivery should be within three months of purchase order placement.

4. Documents from the vendor-

(A) Documents required at the time of bidding -

- a) Supplier/bidder shall provide part number/model number along with datasheet for each items and the details of the same should be traceable from internet through given part number/model number.
- b) Compliance sheet needs to be dully filled in column no-4 and column no-5 respectively. Offered value against the indented specification/type should be mentioned clearly in the column no-4 and accordingly the column no-5 to be filled. Make/Brand as offered by vendor/supplier/bidder should be clearly mentioned for each item in the last row of each item table in the compliance sheet. Bids with incompletely filled compliance sheet are liable for rejection.
- c) OEM authorization certificate should be provided.
- d) Proper datasheet/part catalogue/test document should be provided.
- e) Vendor/supplier/bidder should share photographs/images of torque wrenches/torque screwdrivers.

(B) Documents required at the time of supply –

- a) Warranty certificate
- b) Brand/Make certificate
- c) OEM authorization certificate
- d) Calibration certificate
- e) Related manuals