



# BHARAT HEAVY ELECTRICALS LIMITED

MM – PURCHASE Department (FGD), BAP – Ranipet, 632406

## Notice Inviting Tender

DATE: 13-03-2021

All and only indigenous bidders are invited to quote for Requirement of Neoprene Gaskets as per drawing stated in List of material, for BHEL Ranipet

List of material : As tabulated below. All the material (SI 01-28) will be treated as 1 set.;

Item SI	NB	Drawing No	Drg Item No	Qty (Nos)
Material (Item SI 01-23): <b>(100%) Neoprene Rubber Gasket CI 150</b> , subjected to following tabulated size and quantity				
01	15	4-FW-752-01140	01	45
02	25	4-FW-752-01140	02	381
03	40	4-FW-752-01140	03	45
04	50	4-FW-752-01140	04	1537
05	65	4-FW-752-01140	05	141
06	80	4-FW-752-01140	06	1050
07	100	4-FW-752-01140	07	1573
08	125	4-FW-752-01140	08	678
09	150	4-FW-752-01140	09	2358
10	200	4-FW-752-01140	10	872
11	250	4-FW-752-01140	11	489
12	300	4-FW-752-01140	12	469
13	350	4-FW-752-01140	13	530
14	400	4-FW-752-01140	14	65
15	500	4-FW-752-01140	15	88
16	600	4-FW-752-01140	16	11
17	750	4-FW-752-01140	17	42
18	800	4-FW-752-01140	18	74
19	1100	4-FW-752-01140	19	126
20	1200	4-FW-752-01140	20	6
21	1350	4-FW-752-01140	21	3
22	1550	4-FW-752-01140	22	6
23	1600	4-FW-752-01140	23	14
Material (Item SI 24-27): <b>(100%) Neoprene Rubber Gasket CI 300</b> , subjected to following tabulated size and quantity				
24	80	4-FW-752-01144	01	10
25	100	4-FW-752-01144	02	5
26	150	4-FW-752-01144	03	5
27	200	4-FW-752-01144	04	15
Item SI	NB	Drg No	Drg Item No	Qty (Nos)
28	Rubber sheet (Neoprene); Size = 6000 mm x 1200 mm x 4 mm thickness			5

**GeM seller ID is necessary**

**Reverse Auction will be conducted**



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List of document to be submitted along with offer: [Signed and stamped](#) copy of following

1. NIT copy (both page) along with both the drawings
2. QAP as attached in tender
3. Commercial docs as Filled in Annex-C, Annex B, Make in India (On letter head) declaration, GeM seller ID, UDYAM portal certificate for MSE, and PBG format.

## Technical requirement

- (a). To be supply as per Drawings 4-FW-752-01140 & 4-FW-752-01141 (Attached)
- (b). **Document Approval:** To be submitted within 7 days Upon ordering, along with signed copy of Manufacturing Quality plan, Tech spec and Data sheet. **Manufacturing Clearance** will be provided by BHEL upon approval of submitted documents. **Manufacturing:** As per attached specification, and Approved documents (drawing, Quality plan and Data sheet). **Inspection:** as per CI (d) below stated. **Packing Clearance:** Provided upon submission of inspection reports along with test certificates in original. **Packing:** As per CI (e) below stated. **Material Dispatch Clearance Certificate (MDCC):** Will be provided upon submission of Packing list (dimensions/cubage, net weight and gross weight of each boxes, Item list with quantity, Box Number), in form of MDCC. **Delivery proof** (Original LR with acknowledgement) shall be submitted to BHEL for further processing of payment
- (c). Quality requirement: As per Attached Quality Plan (QAP)
- (d). **Inspection:** Inspection (call to be raise at BHEL CQIR portal) before despatch at supplier's works (as per Quality terms and Quality plan) by BHEL/authorised agency (TPI) for indigenous supplies at BHEL cost. Inspection includes for painting and packing also. All the Test and inspection reports shall be sent to BHEL-Ranipet for review and dispatch clearance.
- (e). **Packing requirement:** Lot-wise Waterproof packing such that Nil damage (due to transportation, Weather, Moisture etc.) shall be ensured. Packing boxes shall be marked as "BHEL Ranipet, PO No. XXXXXX/Lot No XX, Material Name & Code as per PO, Box No."
- (f). **Documents:** Accepted IR copy along with relevant test certificates (in original) before despatch to be given to BHEL. This is required for Dispatch clearance.
- (g). **For any query:** Contact, Tender inviting officer, Mr Chandan Kumar Bharti, Senior Engineer-Purchase, BAP-BHEL, Ranipet,  
Ph. 7010 75 1675 / 9488 58 9287 / 0432 28 3123,  
mail: ckbharti@bhel.in

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REV	DATE	ALTERED
		CHECKED

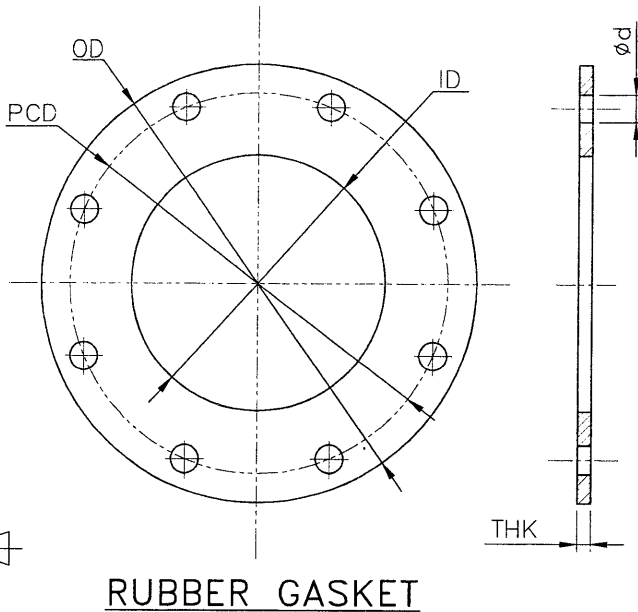
ALL DIMENSIONS ARE IN MILLIMETRES

#### NOTES


1. MATERIAL: 100% NEOPRENE RUBBER HAVING SHORE 'A' HARDNESS OF 60±5.
2. OPERATING TEMP. OF FLUID SHALL BE 30° C TO 75° C.
3. GASKET BOLT HOLES ARE TO BE DRILLED AS PER ASME B16.5 #150, AWWA C207 CL. D.

#### DIMENSION DETAILS

ITEM NO	FLG. SIZE (INCH.)	ID (MM)	OD (MM)	PCD (MM)	HOLE DIA	HOLE NOS.	THK (MM)
1	1/2"	28	90	60.3	16	4	4
2	1"	40	110	79.4	16	4	4
3	1 1/2"	55	125	98.4	16	4	4
4	2"	68	150	120.7	19	4	4
5	2 1/2"	80	180	139.7	19	4	4
6	3"	96	190	152.4	19	4	4
7	4"	122	230	190.5	19	8	4
8	5"	150	255	215.9	22	8	4
9	6"	176	280	241.3	22	8	4
10	8"	227	345	298.5	22	8	4
11	10"	282	405	362	25	12	4
12	12"	333	485	431.8	25	12	4
13	14"	365	535	476.3	29	12	4
14	16"	416	595	539.8	29	16	4
15	20"	520	700	635	32	20	4
16	24"	621	815	749.3	35	20	4
17	30"	772	984	914.4	35	28	4
18	32"	823	1060	977.9	41	28	4
19	44"	1128	1403	1314.5	41	40	4
20	48"	1229	1511	1422.4	41	44	4
21	54"	1382	1682	1593.9	48	44	4
22	62"	1585	1911	1816.1	48	52	4
23	64"	1635	1968	1866.9	48	52	4



FOR TENDER PURPOSE ONLY

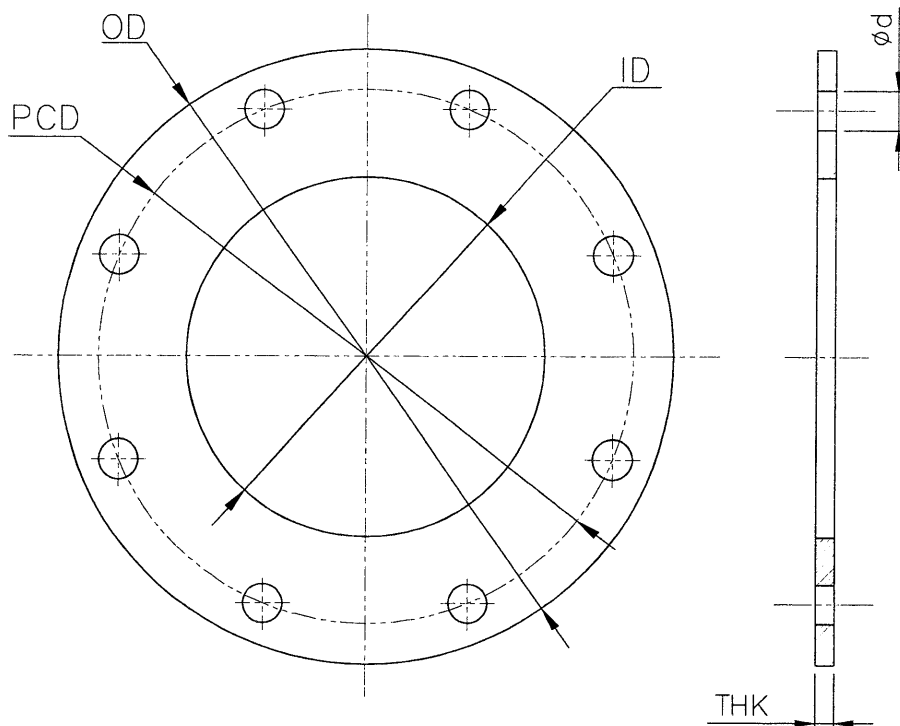
		BHARAT HEAVY ELECTRICALS LTD., UNIT: BOILER AUXILIARIES PLANT. RANIPET - 632 406.		DRN S.VENKAT	SIGN	DATE 01.09.20	NO.OF VAR
DEPT WS		GRADE OF UNTOL.DIM	SCALE	WEIGHT (KG).	REF. TO ASSY./OLD DRG.	ITEM NO.	
CODE 9776	PR: QA: 500	NTS	----				
TITLE RUBBER GASKET (VARIANT-1)				CARD CODE U 01	DRAWING NO. 4-FW-752-01140		REV 00

Size A4

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REV	DATE	ALTERED
		CHECKED

ALL DIMENSIONS ARE IN MILLIMETRES



## RUBBER GASKET

### DIMENSION DETAILS

ITEM NO	FLG. SIZE (INCH.)	ID (MM)	OD (MM)	PCD (MM)	HOLE DIA	HOLE NOS.	THK (MM)
1	3"	96	210	168.3	22	8	4
2	4"	121	255	200.0	22	8	4
3	6"	176	320	269.9	22	12	4
4	8"	227	380	330.2	25	12	4

### NOTES

1. MATERIAL: 100% NEOPRENE RUBBER HAVING SHORE 'A' HARDNESS OF 60±5.
2. OPERATING TEMP. OF FLUID SHALL BE 30° C TO 75° C.
3. GASKET BOLT HOLES ARE TO BE DRILLED AS PER ASME B16.5 #300.

FOR TENDER PURPOSE ONLY



BHARAT HEAVY ELECTRICALS LTD.,  
UNIT: BOILER AUXILIARIES PLANT.  
RANIPET - 632 406.

DRN	NAME S.VENKAT	SIGN	DATE 01.09.20	NO.OF VAR
CHD	S.VIVEK		01.09.20	
APPD	G.RAJENDIRAN		01.09.20	

DEPT WS	GRADE OF UNTOL.DIM	SCALE	WEIGHT (KG).	REF. TO ASSY./OLD DRG.	ITEM NO.	NO. OF ITEMS
CODE 9776	PR: QA: 500	NTS	---			
TITLE RUBBER GASKET (VARIANT-3)				CARD CODE U 01	DRAWING NO. 4-FW-752-01144	
					REV 00	

Size A4