

BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
PHONE NO: +91 1334 285120

Sub: Procurement of Plate Flange (Machining Only)

The Heavy Electricals Equipment Plant (HEEP) located in Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam turbines, turbo generators and so on.

Bids are invited for following items through GeM Portal- <https://gem.gov.in>

SLNO	DRG	DESCRIPTION	LOT-QTY	UNIT	DELIVERY
1	3160727002500	Plate Flange	96	pcs	30 days from PO Date
2	3165017018210	Plate Flange	36	pcs	30 days from PO Date
3	3165017018214	Plate Flange	12	pcs	30 days from PO Date
4	3165017018412	Plate Flange	12	pcs	30 days from PO Date

Total qty in numbers= 156 nos. of Plate Flange
(Weight= As per Drg/CBOM)

Remarks-

1. Delivery mentioned above is indicative, bidders to quote their best possible delivery schedule.
2. EMD will not be applicable as per GEM bid.
3. **Risk Purchase:** In case of abnormal delays (beyond the maximum late delivery period as per LD clause) in supplies / defective supplies or nonfulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract or under General Law.

Action against Bidders / vendor / supplier / contractor in case of default:

In order to protect the commercial interests of BHEL, BHEL shall take action against suppliers / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business/ money/ reputation, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc.

Suspension of Business Dealings could be in the form of “Hold” or “Banning” a supplier/ contractor or a bidder and shall be as per “Guidelines for Suspension of Business Dealings with

Suppliers/ Contractors” available at BHEL’s website “<https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors>”

4. Payment Terms:

100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material as per below:

- a) Micro & Small Enterprises (MSEs) <=45 days
- b) Medium Enterprises <=60 days
- c) Non MSME <=90 days

subject to submission of non-discrepant documents as per terms and conditions of GeM contract.

5. Item is to be supplied as per NIT document and specification only.

6. SPECIAL REMARKS: -

- a) T.R. OF THE DRAWINGS ARE TO BE STRICTLY FOLLOWED.
- b) VENDOR SCOPE INCLUDES MATERIAL PROCUREMENT, ANY CUTTING INVOLVED INCLUDING GAS CUTTING AND MACHINING OF JOB AS PER DRG..
- c) Inspection by BHEL/BHEL nominated inspection agency as per drawing /Standard and quality plan requirements.
- d) Sub-contractor to provide a summary sheet of documents/TCs provided for correlation.
- e) Sub-contractor to mention relevant QP clauses on all TCs/ reports for every lot.
- f) Quality plan no. QP/QA/222072 rev 00 dated 18.07.2023 is attached, which is to be followed.
- g) Offers that are found suitable techno-commercially will be considered for further process.
- h) All items to be subcontracted with party material only.
- i) Supplier must furnish material test certificates for all the items.
- j) Guarantee Certificate(18 months) will be required.
- k) Aesthetic appearance shall also be ensured and inspected before delivery to BHEL.
- l) Scope of Work: - **Material procurement and machining only.**
- m) Rest all terms and conditions shall be as per general terms and conditions of **GeM.**

7. "A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- a) they have controlling partner (s) in common;· or
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- c) they have the same legal representative/agent for purposes of this bid; or
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder,· or
- e) Bidder participates in more than one bid in this bidding process.
Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from. one bidding manufacturer in more than one bid; or
- f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from

the following:

1. The principal manufacturer directly or through one Indian agent on his behalf; and

2. Indian/foreign agent on behalf of only one principal,

or

g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid, or

h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business. "

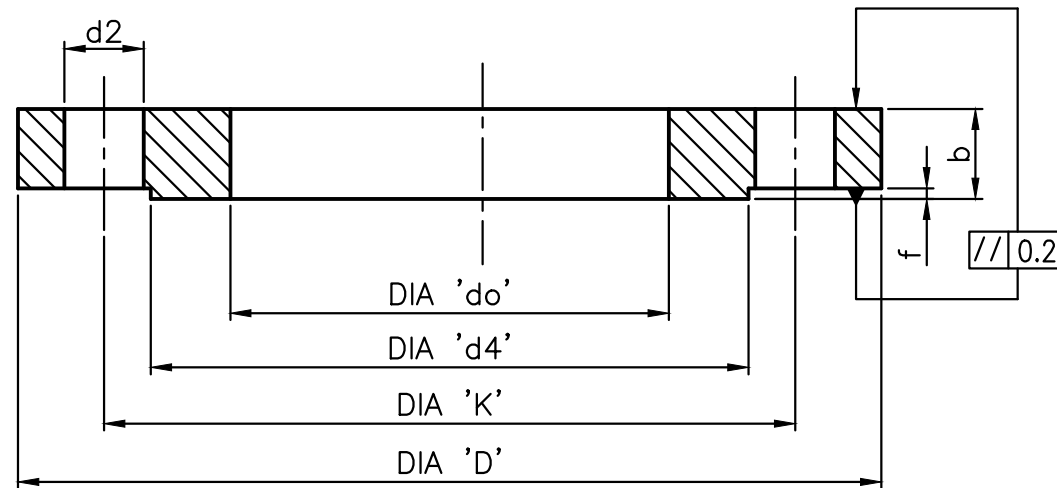
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM: DG-38(B)

DRAWING NO. 31607270025

12.5/
▽ ALL OVER



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VAR	NOM SIZE	FLANGED DIMENSIONS										BOLTING DETAILS			CODE NO./SPCN.	WT.	REMARKS
		d0		D		b		RAISED FACE		BOLT SIZE	HOLES		P.C.D K				
		NOM	TOL	NOM	TOL	NOM	TOL	d4 NOM	TOL		f	NO.		d2			
00	50	60.8		150		18	+3 -0	92.1		2	M16	4	18	120.7	AA1011819155/AA10119	1.95	2'RF150#

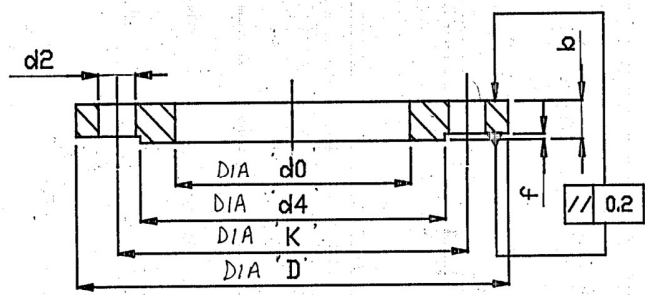
INVENTORY NO. SIGN & DATE REF. DRG NO.

GRADE OF UNTOL. DIM.:-		CBOM NO. 81607270003		STATUS OF DRG.		TYPE OF PRODUCT OR NAME OF CUSTOMER/ PROJECT		500 MW	
M/CG- W/C/M/R AA 0230208		W.T. I.RAM		SD/- 26.2.94		BHARAT HEAVY ELECTRICALS LTD. HARDWAR		DRN INDER	
WELDING-A/B/C/D-AA621104		GAS CUTTING-'T3'AA0621101		REV. DATE ALTERED CHECKED		DEPT. HXE		SCALE NTS	
REV. DATE ALTERED CHECKED		REV. DATE ALTERED CHECKED		CODE 4222		WEIGHT(Kg.) 1.95		REF. TO ASSY. DRG. 81607270003	
				TITLE		PLATE FLANGE		DRAWING NO. 31607270025	
								SHEET NO. 01 NO.OF SHEETS 01	

SIZE A3

3-165-01-70182
DRAWING NO

12.5
ALL OVER



VAR	NOM SIZE	FLANGED DIMENSIONS								BOLTING DETAILS				CODE NO/SPCN.	WT.	
		d0		D		b		RAISED FACE		BOLT SIZE	HOLES		P.C.D K			
		NOM	TOL.	NOM	TOL.	NOM	TOL.	d4	f		NO.	d2				
01	10	17.7		90		14		40		2	M12	4	14	60	AA1011819155/AA10119	0.59
02	15	21.8		95		14		45		2	M12	4	14	65	AA1011819155/AA10119	0.59
03	20	27.4		105		16		58		2	M12	4	14	75	AA1011819155/AA10119	0.85
04	25	34.2		115		16		68	+0.0	2	M12	4	14	85	AA1011819155/AA10119	1.01
05	32	42.9	+0.5	140	±1	16		78	-1.0	2	M16	4	18	100	AA1011819155/AA10119	1.47
06	40	48.8	-0.0	150		16		88		3	M16	4	18	110	AA1011819155/AA10119	1.61
07	50	60.8		165		18		102		3	M16	4	18	125	AA1011819163/AA10119	2.18
08	65	76.6		185		18		122		3	M16	4	18	145	AA1011819163/AA10119	2.67
09	80	89.9		200		20		138		3	M16	8	18	160	AA1011819163/AA10119	3.28
10	100	115.3		220		20		158		3	M16	8	18	180	AA1011819163/AA10119	3.62
11	125	140.7		250	±1.5	22		188		3	M16	8	18	210	AA1011819171/AA10119	4.99
12	150	169.3		285		22		212		3	M20	8	22	240	AA1011819171/AA10119	6.00
13	175	194.7		315		24	+3	242	+0.0	3	M20	8	22	270	AA1011819171/AA10119	7.82
14	200	221.1	+1.0	340	-0.0	24	-0	268	-2.0	3	M20	8	22	295	AA1011819171/AA10119	9.56
15	250	273.0		395		26		320		3	M20	12	22	350	AA1011819180/AA10119	11.10
16	300	325.9		445		26		370		4	M20	12	22	400	AA1011819180/AA10119	12.70
17	350	357.8		505		28		430		4	M20	16	22	460	AA1011819180/AA10119	17.00
18	400	408.4		565	±2	32		482	+0.0	4	M24	16	26	515	AA1011819198/AA10119	26.10
19	500	510.0	+1.5	670	-0.0	38	+5	585	-3.0	4	M24	20	26	620	AA1011819200/AA10119	38.80
20	600	612.6		780		42	-0	665		5	M27	20	30	725	AA1011819228/AA10119	52.00

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
59	64-65	75	25 27 29	58	69 60	77	32 33 46
CARD TYPE 3		28	CARD TYPE-1			28	CARD TYPE-2

GMS NO./GR. SP. NO.
8-165-01-70016

AGREED DEPT. NAME SIGN DATE
WT J. Ram 26.2.94

STATUS OF DRG. TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT

DRN GARG RK F. 16.2.94
CHD SK B 12.3.94
APD K N M

GRADE OF UNTOL. DIM. :-
M/CG-C/M/F AA 0230208
WELDING-A/B/C/D AA 0621104
GAS CUTTING T3 AA 0621101

REV DATE	ALTERED CHECKED	REV DATE	ALTERED CHECKED
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DEPT. HX CODE 4222

SCALE NTS

WEIGHT (kg) SEE BOM

REF. TO ASSY. DRG.

ITEM NO. 75177

TITLE PLT FLANGE PNOM 10 KG./cm²

DRAWING NO. 3-165-01-70182

SHEET NO. 01 | NO. OF SHEETS 01

SIZE A3

ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

REF. DRG. NO.

SIGN & DATE

INVENTORY NO.

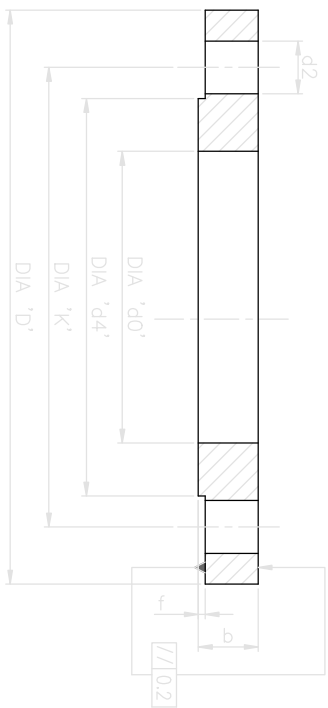
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81650170184
 DRAWING

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM: DG-38(B)



VAR	NDM SIZE	FLANGED DIMENSIONS						RAISED FACE			BOLTING DETAILS			CODD	NLS/SPCN	W/T
		D0	D	b	g4	f	BOLT SIZE	HOLESS	P.C.D	NDM	NDM	NDM	K			
01	10	17.7	75	12	35	2	M10	4	11	50	AA1011819139	0.31				
02	15	21.8	80	12	40	2	M10	4	11	55	AA1011819139	0.35				
03	20	27.4	90	14	50	2	M10	4	11	65	AA1011819155	0.53				
04	25	34.2	100	14	60	2	M10	4	11	75	AA1011819155	0.65				
05	32	42.9	120	16	70	2	M12	4	14	90	AA1011819155	1.05				
06	40	48.8	130	16	80	2	M12	4	14	100	AA1011819155	1.18				
07	50	60.8	140	16	90	3	M12	4	14	110	AA1011819155	1.25				
08	65	76.6	160	16	110	3	M12	4	14	130	AA1011819155	1.63				
09	80	89.9	190	18	120	3	M16	4	18	150	AA1011819163	2.63				
10	100	115.3	210	18	148	3	M16	4	18	170	AA1011819163	2.93				
11	125	140.7	240	±1.5	178	3	M16	8	18	200	AA1011819163	3.91				
12	150	169.3	265	20	202	M16	8	18	225	AA1011819163	4.31					
13	200	221.1	320	22	258	3	M16	8	18	280	AA1011819171	6.29				
14	250	275	375	24	312	3	M16	12	18	335	AA1011819171	8.31				
15	300	325.9	440	24	365	4	M20	12	22	395	AA1011819171	10.7				
16	350	357.6	493	±2	415	4	M20	12	22	445	AA1011819180	15.9				
17	400	408.4	540	26	465	4	M20	16	22	495	AA1011819180	25.0				
18	500	510.0	645	30	570	4	M20	20	22	600	AA1011819198	32.4				
19	600	612.6	755	32	670	5	M24	20	26	705	AA1011819198	40.9				

12.5/
 ALL OVER

INVENTORY NO.	SIGN & DATE	REF. DRG NO.
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GRADE OF UNTOL. DIM.:-	M/CG-V/C/M/F AA 0230208
WELDING-A/B/C/D-AA621104	
GAS CUTTING-T3AA0621101	
REV/ DATE	ALTERED
CHECKED	

BOM NO.	81650170016	STATUS OF DRG	W.I.	IRAM	SD/-	DATE
AGREED DEPT.	NAME	SIGN	DATE			
REV/ DATE	ALTERED	ANIL				
CHECKED	SAMIRNA					
HXE-11-F0179						
NEW ACAD DRG. SUPERSEDES OLD TRACING DRG.						


TYPE OF PRODUCT OR NAME OF CUSTOMER/ PROJECT		BHARAT HEAVY ELECTRICALS LTD. HARDWAR	
DEPT.	HXE	SCALE	NTS
CODE	4222	WEIGHT(Kg.)	SEE BOM
TITLE	PLT FLANGE		
DRAWING NO.	31650170184		
SHEET NO.	01	NO.OF SHEETS	01
DRN	CHK	DATE	NO.OF VAR.
CHK	CHK	16.02.94	
CHK	CHK	22.03.93	75.74
CHK	CHK	75.77	
REF. TO ASSY. DRG.			
ITEM NO.	75.74		
ITEM NO.	75.77		

SIZE A3

Manufacturer Name and Address		MANUFACTURING QUALITY PLAN						APPLICABILITIES TO				
BHEL Haridwar accepted sub-contractors only	ITEM/EQUIPMENTS	PLATE FLANGE						Q.P. NO	QP/QA/232072		PROJECT	
								DATE	18.07.2023			
								REV. NO.	00		CONTRACTOR	BHEL (HEEP) HWR
	W.O. NO.	10859A16901, 10866P16901, 10866P16901						PAGE NO.	Page 1 of 1		Indent	20230340 rev 00

S. No.	COMPONENT OPERATION	CHARACTERISTIC CHECKED	CATEGORY	TYPE/METHOD OF CHECKED	QUANTITY OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE DOCUMENT	FORMAT OF RECORD	AGENCY				REMARK
									D	M	B	C	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.0	Material Receiving Inspection	Review of Supplier Test Certificate of Material for all the party materials	Major	Visual inspection	100%	As per drg./ Standard	As per drg./ Standard	TC	✓	P	V	-	All party material to be procured from BHEL, Haridwar approved sources with following conditions -In all the cases a mill test certificate correlateable with the component for verification of conformance of the material as per the requirement is essential.
2.0	INPROCESS-INSPECTION												
2.1	Dimensions	Verification of dimensions & visual inspection.	Major	Visual & measurement	100%	As per drg./ Standard	As per drg./ Standard	Obs. Sheet	✓	P	V	-	
3.0		Completeness of Job, Documentation	Major	Visual	100%	As per drg./ Standard	As per drg./ Standard	Record	✓	P	V	-	Item shall be dispatched to BHEL after acceptance by BHEL/ BHEL nominated agency after duly identifying by P.O.No., drg no. Plant Order No. and I.R.No

1. All requirements of P.O., standard and drawing shall be fulfilled.
2. Preservation of machined surfaces to be done with grease or oil (as per indent).
3. BHEL reserves the right for conducting repeat test, if required.

Manufacturer/ Subcontractor	Legends: P Perform by; W Witness by; V Record review; C Customer; B BHEL/BHEL Representative; M Manufacturer/ sub-contractor; D: documents with tick mark shall be submitted by vendor to BHEL.	For BHEL Use	
		Worked by: <i>Deepika Singh</i> Deepika Singh, (QAX)	Approved by:  Sunil Panday, Manager (QAX)

LIST OF BHEL APPROVED VENDOR.

PLATE 25MM(AA1011819155),32MM(AA1011819171)

SL.NO.	Mvenmatcatn	Ventype	Vencd	Vnm1	Apprvd
1	SL024	S	2851	SHAH BROTHERS ISPAT PVT. LTD.	APPROVED
2	SL024	M	6244	ARCELORMITTAL NIPPON STEEL	APPROVED
3	SL024	M	8166	STEEL AUTHORITY OF INDIA LTD	APPROVED
4	SL024	M	41307	JINDAL STEEL & POWER LTD.	APPROVED
5	SL024	M	41575	WELSPUN CORP LTD	APPROVED
6	SL024	M	70089	SUNLION PIPING ENGINEERING CO.	APPROVED
7	SL024	M	72167	SALZGITTER MANNESMANN INTERNAT	APPROVED
8	SL024	M	77007	DILLINGER INTERNATIONAL	APPROVED
9	SL024	M	78004	STEEL FORCE ASIA NV-BEIGIUM	APPROVED
10	SL024	M	78021	NLMK PLATES SALES SA	APPROVED
11	SL024	S	90016	BURWILL RESOURCES LTD.	APPROVED
12	SL024	S	91021	DAEWOO INTERNATIONAL CORPORATI	APPROVED
13	SL024	M	96026	SIJ ACRONI D.O.O.	APPROVED

Make in India Certificate

Certificate In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated 28.05.2018, we hereby certify that we M/s _____ (supplier name) are local supplier meeting the requirement of minimum local content (50%) as defined in above orders for the material against Enquiry No. _____ Details of location at which local value addition will be made is as follows:

_____ We also understand, 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.

Item :Items of Indent no: 20230340
 PRE-QUALIFICATION REQUIREMENT

Sl. No.	TECHNICAL REQUIREMENT	Required	Vendor's Offer
01.01	Vendors should have experience of cutting & machining and supplying of plate flange or equivalent having size dia.300mm and above, thickness 24mm and above in last 7 years from the date of enquiry.	Vendor to Comply & submit suitable evidence	
01.02	Facilities Required: i) Lifting facility and capacity at vendor works should EOT crane 2 Tons and above. (ii) Vendor must have cutting facility to cut plate of thickness 24 mm and above. (iii) Vendor must have suitable turning facility to accomodate diameters of 350mm and above (iv) Vendor must have drilling facility to drill holes of dia.22mm and above in plate thickness of 24mm and above	Vendor to Comply & submit suitable evidence including technical specifications, technical brochure, photographs etc. of the facilities.	
01.03	Vendor to furnish certificate against clause 01.01 from the customer / company or end user duly confirming that plate flange or equivalent having size dia.300mm and above, thickness 24mm and above was supplied and used for Hydro Pump or turbine/power plant/capital goods/infrastructure application OR Vendor to submit documentary evidence as per clause 1.04.	Vendor to Comply & submit suitable documents	
01.04	Vendor to furnish name of customer/company with complete contact details and month /year of previous supply along with copy of PO, type of manufacturing facility used for fabrication (assembly/welding/pre-fabrication machining), supply documents, Payment details(invoice copy) and inspection documents of supplied plate flange or equivalent having size dia.300mm and above, thickness 24mm and above.	Vendor to Comply & submit suitable documents	
01.05	All PQR documents are to be stamped and signed in original by Vendor. In case documents and official stamp is in language other than English, documents and details of official stamp are to be translated in English and duly certified by Government agency/approved agency of Government/Embassy.	Vendor to Comply & submit suitable documents	
01.06	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, their offers shall be rejected.	Vendor to agree	

NOTE: PQR is not restrictive

19/10/2023
 Ravi Deethwal
 Manager(WTX)

Santosh
 19/10/23
 [Santosh Goyal]
 Mgr WT