

		Heat Exchanger Group		STANDARD QUALITY ASSURANCE PLAN				QAP No.		CDE-12-2940	
BHEL Bhopal				ITEM				Revision No.		08	
				(For Misc. Tanks, F/Tanks & LP Heaters)				Date of Issue		21.08.2020	
								Page		Page 4 of 4	
Sl.No	Components & Operations	Characteristics	Class	Type of Check	Quantum of check	Reference Document	Acceptance Norms	Format of Records	Agency	Remarks	
1	2	3	4	5	6	7	8	9	10	11	

NOTES:

1. If dished end blank is made up of more than one plate of different heat lot, no. of test piece shall be taken as applicable. For single Heat Lot Plate and same Heat Charge (during Normalizing of Dished end), no. of test piece can be considered as one.
2. Only ISNT / ASNT Approved NDT personnel (Level-II as minimum) to be employed while carrying out the NDE.
3. BHEL IA to ensure that the Furnace used for Heat Treatment are duly calibrated by NABL approved agency. Proper calibration record to be verified. In case of Temporary furnace, all associated thermocouples (as shall be attached with the job) and temperature recorder to be calibrated by NABL approved agency.
4. Three (03) copies of all MTC, HT Chart, I.R., TCR, Lab. Test Report – as stated in the SQAP (duly signed and stamped by inspection agency) shall be furnished. Sequence of documents shall be as per the QAP only.
5. All other requirements as mentioned in the drawing and checklist to applicable P.I./P.O. shall be complied fully. In case of any conflict between the SQAP & drawing, SQAP shall govern finally.
6. All the IR/TC/TCR shall be reviewed by BHEL IA before submitting to customer (for customer intervention if any). /BHEL.
7. Complete Document verification (if any) by customer shall be done at Dished End suppliers work before final dispatch
8. During manufacturing, only latest revision of drawings / specs / procedures shall be used.
9. Only calibrated instruments / gauges / thermocouples etc. shall be used during inspection and calibration to be done by NABL approved agency.
10. In case heat treatment to be done at a soaking temperature lower than the transformation temperature of the material, requirement of test piece is not required/applicable.

Prepared by:

Deepak Maundekar
31/08/2020

DEEPAK MAUNDEKAR
Dy. Manager/CDE

Reviewed & Approved by:

A.K. MAHOR
31/08/2020

A.K. MAHOR
General Manager (C)

Dr. Manoj Kumar / Sr. Dy. General Manager (C)

Dr. Manoj Kumar / Sr. Dy. General Manager (C)

		Heat Exchanger Group		STANDARD QUALITY ASSURANCE PLAN				QAP No.		CDE-12-2940				
								Revision No.		08				
				BHEL Bhopal		ITEM	C.S. Dished End (For Misc. Tanks, F/Tanks & LP Heaters)				Date of Issue		21.08.2020	
											Page		Page 3 of 4	
Sl.No	Components & Operations	Characteristics	Class	Type of Check	Quantum of check	Reference Document	Acceptance Norms	Format of Records	Agency			Remarks		
1	2	3	4	5	6	7	8	9	1	2	3	11		
3.3	Final Dimensions	Dimensionally Conformity after Forming, check on layout (circumference check)	Major	Visual & Measurement	100%	BHEL Drg.	BHEL Drg.	IR	P	W	V	Minimum thickness checked by UT or Ultrasonic D meter and same to be reported in IR also.		
3.4	Documentation	Verification of Quality Documents (after Shot Blasting & surface protection as per drawing)	Review	100%	100%	As per P.O./BHEL Drg.	As per P.O./BHEL Drg.	See Note-6	P	W	V	Identification number to be punched/paint on each Dish End		
LEGEND: 1- Dished End Manufacturer 2 - BHEL APPROVED IA 3 - CUSTOMER(as called in P.O) P - Perform W - Witness V - Verification R- Review IR/TC - Inspection Report/Test Certificate TCR - Test Certificate Report IA - Inspection Agency (*) In the absence of original correlated MTC, material to be tested at NABL Approved Lab which are to be witnessed by BHEL Approved IA. (**) Welding to be done by Qualified welders and approved procedures only (***) In case co-related MTC calls the plate as UT tested, requirement of UT at blank stage not required.														

Meerap
31/08/2020

SLC

		Heat Exchanger Group		STANDARD QUALITY ASSURANCE PLAN					QAP No.		CDE-12-2940				
									Revision No.		08				
				BHEL Bhopal		ITEM	C.S. Dished End (For Misc. Tanks, F/Tanks & LP Heaters)					Date of Issue		21.08.2020	
												Page		Page 2 of 4	
Sl.No	Components & Operations	Characteristics	Class	Type of Check	Quantum of check	Reference Document	Acceptance Norms	Format of Records	Agency			Remarks			
1	2	3	4	5	6	7	8	9	1	2	3		10		
												11			

2.5	Cold Forming of D/ends	Visual & Profile Verification by Template.	Major	Visual & Measurement	100%	As per BHEL Drg..	As per BHEL Drg..	IR	P	W	-	
2.6	Heat Treatment	Normalising/Stress Relieving(as applicable)	Major	-	100%	As per BHEL Drg.. / ASME Std.	As per BHEL Drg.. / ASME Std.	Graph & IR	P	V	V	- Verification of Heat Treatment Chart - See Note-5
3.0	FINAL INSPECTION											
3.1	NDT (before blast cleaning)	Dye Penetration Exam.	Critical	NDE	100%	Appendix-8 of ASME Sec-VIII Div-I & BHEL Appd. Drg.	Appendix-8 of ASME Sec-VIII Div.1. & BHEL Appd. Drg.	DP Report	P	W	V	To cover inside/outside surface of knuckle and edge preparation of weld joints.
		UT of complete dished end	Major	NDE	100%	SA 435	SA 435	NDE Reports	P	W	V	UT of complete dished end
3.2	Test Piece	Testing of test pieces	Major	Mechanical	100%	As per BHEL Drg.. / Material Spec.	As per BHEL Drg.. / Material Spec.	IR	P	W	V	- See Note-1 - Testing of test pieces to be done at NABL accredited lab

Deepali
31/08/2020

6/c

		Heat Exchanger Group		STANDARD QUALITY ASSURANCE PLAN					QAP No.		CDE-12-2940				
									Revision No.		08				
				BHEL Bhopal		ITEM	C.S. Dished End (For Misc. Tanks, F/Tanks & LP Heaters)					Date of Issue		21.08.2020	
												Page		Page 1 of 4	
Sl.No	Components & Operations	Characteristics	Class	Type of Check	Quantum of check	Reference Document	Acceptance Norms	Format of Records	Agency			Remarks			
									1	2	3				
1	2	3	4	5	6	7	8	9	10			11			
1.0 RAW MATERIAL															
1.1	Carbon Steel Plate	Verification & Correlation of MTC for Chemical& Mechanical Properties	Major	Verification	100%	P.O./ Customer Drg.	Material Spec.	MTC	P	W	V	As per material spec. (*)			
		Physical Condition	Major	Visual	100%	Material Spec.	Material Spec.	TCR	P	W	-				
		UT of Plates	Major	NDE	100%	SA435/ Level-A of SA-578	SA435/ Level-A of SA-578	MTC	P	V	-	UT of plates shall be done at Dished End suppliers's works. (***)			
2.0 IN PROCESS INSPECTION															
2.1	Marking & Cutting of Blank Plates & Test Piece	Transfer of Stamp	Major	Co-relation & Verification	100%	MTC	MTC	IR	P	W	-	• Supplier to ensure transfer of identification mark on each part before use. This mark to be retained after forming also. • Supplier to ensure the dia of blank to meet final dimensions as per BHEL Drawing.			
2.2	Fit-up (if applicable)	Fit-up & dimensions	Major	I + Visual	100%	BHEL Drg.	BHEL Drg.	IR	P	R	-				
2.3	Welding procedure & welder qualification(if applicable)	WPS/PQR/WQR	Major	Verification	Random	----	ASME Sec.IX	ASME Format	P	R	-	• All procedure and welder qualification to be qualified by BHEL.			
2.4	Welding of blank (if applicable) (**)	DPT of weld Seam	Major	NDE	100%	Appendix-8 of ASME Sec-VIII Div-I	Appendix-8 of ASME Sec-VIII Div-I	NDE REPORT	P	V	-				
		RT of Weld Seam	Major	NDE	100%	UW-51 of ASME Sec.VIII Div.1	UW-51 of ASME Sec.VIII Div.1	NDE REPORT	P	V	-				

Deepak
31/08/2020



QUALITY ASSURANCE THERMAL (QTH)
SUB-VENDOR CREDENTIAL-INDEX

DATE:-DD/MM/YY

NAME OF ORGANISATION: __ M/S _____

ADDRESS of Organisation:- _____

PRODUCT DESCRIPTION:- _____

CONTACT PERSON :- _____

TELEPHONE (LAND LINE/MOB.) :- _____

E-MAIL :- _____

UDYOG AADHAR MEMORANDUM:- _____

BHEL REGISTRATION NO. AND DATE:- Registered (Year _____) / Not registered _____

Sl no.	PARAMETER	PAGE NO	REMARK
1	Balance Sheet for last 4 years.		
2	Rating, Range / type etc. of equipment/ item for proposed approval.		
3	Organisational structure including QA/QC inspection dept. with man power & qualification details.		
4	In house design / R&D capability.		
5	List of sub-vendors for critical/ major bought out items.		
6	In-coming material inspection plan and Manufacturing Quality Plan.		
7	In house manufacturing facilities, machineries, Heat treatment furnace.		
8	In house NDE facilities & list of qualified NDE personnel with level of qualification.		
9	Experience (Past Track Record) list for last 3 years for similar product.		
10	Performance certificates issued by other customers.		
11	Certification of/ by reputed agencies (ISO/ ASME/ CE/ UL/API/ etc.) & also approval certificates from other customers etc.		
12	Capability to manufacture as per NPCIL Approved technical spec & fabrication code section 3NB/ND.		

Authorized Signatory

BHEL BHOPAL	SPECIFIC CONFIRMATIONS REQUIRED FROM SUPPLIER	CHECK LIST No. CL/CDE/001
CARBON STEEL DISHED-ENDS		
S.No.	TECHNICAL REQUIREMENTS	CONFIRMATIONS/COMMENTS OF SUPPLIER (YES/NO)

1. SIZE & SHAPE:

AS PER BHEL DRAWING

..... YES / NO

2. MATERIAL OF CONSTRUCTION

- a) AS SPECIFICATION IN BHEL DRAWING.
b) TO BE PROCURED FROM AGENCIES
GIVEN IN ANNEXURE-A

..... YES / NO

3. DIMENSION TOLERANCES:

AS PER THE DRAWING AS
ENCLOSED WITH THE ENQUIRY /PO

..... YES / NO

4. MANUFACTURING PROCESS:

- a. DISHED ENDS SHALL PREFERABLY
BE FORMED FROM SINGLE PIECE.
IF MADE IN MULTIPLE PIECES,
THE WELD TO BE 100% RT.
- b. COLD FORMED
- c. CENTRAL HOLE IF ANY NOT BE PLUGGED

..... YES / NO

..... YES / NO

..... YES / NO

5. HEAT TREATMENT:

AS SPECIFICATION IN THE APPLICABLE DRAWING

..... YES / NO

6. NON-DESTRUCTIVE TESTING :

AS PER DRG. & QAP.

..... YES / NO

7. INSPECTION & CERTIFICATION:

AGENCY: BY BHEL QC/BHEL APPOINTED
INSPECTION AGENCY / CUSTOMER REPRESENTATIVE

- a. Confirm: Stage and final inspection as per
Standard quality assurance plan forwarded
with enquiry.
- b. All QAP requirements (as mentioned in
BHEL Standard QAP) shall be met fully.

..... YES / NO

..... YES / NO

**8. FOR SUPPLIER NOT APPROVED BY CUSTOMER, CREDENTIAL TO BE
SUBMITTED IN FORMAT ATTACHED AS ANNEXURE-B**

..... YES / NO

CREDENTIALS OF TECHNICALLY QUALIFIED BIDDERS
(PRESENTLY NOT APPROVED BY CUSTOMER) WILL BE SUBMITTED
TO CUSTOMER FOR APPROVAL. ONLY CUSTOMER APPROVED BIDDER
SHALL BE CONSIDERED FOR PRICE BID OPENING

**9. LIST CLEARLY FOR DEVIATION IF ANY FROM
BHEL REQUIREMENTS. OTHERWISE IT WILL BE
PRESUMED THAT THE OFFER IS IN LINE WITH THE
ENQUIRY / PO REQUIREMENTS.**

..... NO Deviation /.....

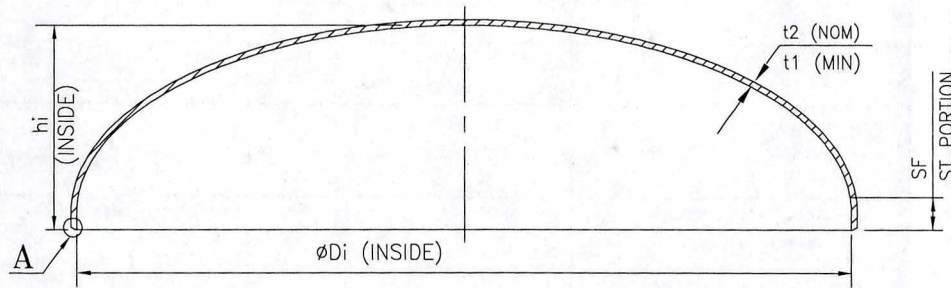
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THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN THE WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

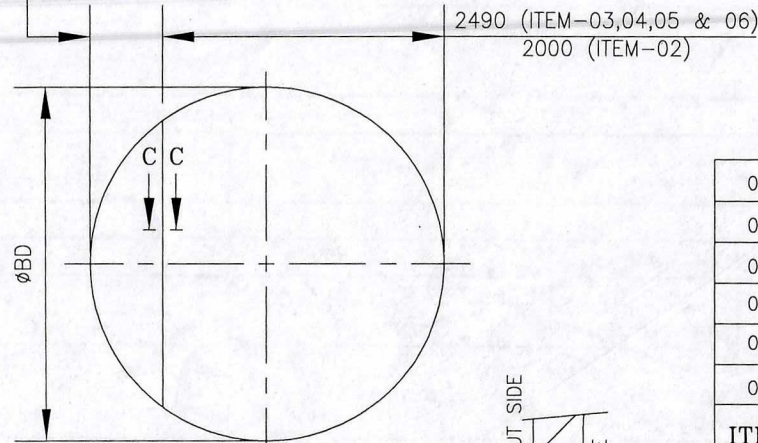
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SIGN. & DATE

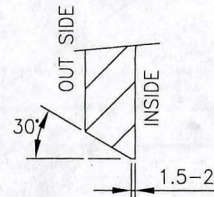
INVENTORY NO.

DETAIL OF ITEM 01 TO 04
(PROFILE - 2:1 ELLIPSOIDAL)

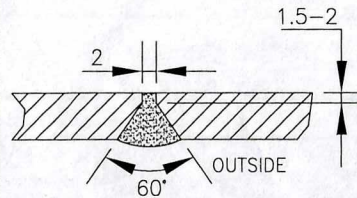
1662 (ITEM-06)
498 (ITEM-05)
2320 (ITEM-04)
2206 (ITEM-03)
677 (ITEM-02)



DETAIL-B



DETAIL-A



SECTION-CC

NOTES:-

1. MATERIAL OF CONSTRUCTION : SA516 Gr.60/70 OF ASME SEC-II PART-A;2019 NORMALIZED. PLATE TO BE ULTRASONICALLY TESTED IN ACCORDANCE WITH SA435/LEVEL-A OF SA578.
2. FOR ITEM-01 FORMING TO BE DONE FROM SINGLE BLANK PLATE. FOR ITEM-02 TO 06 FORMING CAN BE DONE FROM TWO (2) PIECES AS SHOWN IN DETAIL-B WITH WELD JOINT AS SHOWN IN SEC.-CC WHICH IS TO BE DRESSED AND 100% RADIOGRAPHED BEFORE FORMING AS PER UW-51 OF ASME SECTION-VIII DIV.1; 2019.
3. EDGE PREP. REQUIRED AS PER DETAIL 'A' SHOWN.
4. HEAT TREATMENT :- DISHED END TO BE STRESS RELIEVED AFTER FORMING AS PER UCS-56 OF ASME SEC.-VIII DIV.-1;2019.
5. AFTER HEAT TREATMENT KNUCKLE PORTION, STRAIGHT FACE INCLUDING EDGE PREP. AND WELD FACE TO BE DYE PENETRATION TESTED AS PER APPENDIX-B OF ASME SEC.VIII DIVN.1; 2019.
6. CENTRAL HOLE ON DISHED END IF ANY NOT TO BE PLUGGED.
7. PAINTING AFTER SURFACE CLEANING : ONE COAT OF RED OXIDE EPOXY PRIMER ON INSIDE & OUT SIDE SURFACE LEAVING 50 MM FROM EDGE.
8. TOLERANCE : (I) OVALITY SHOULD NOT EXCEED 0.5% OF DISHED END ID.
(DIFFERENCE MAX. & MIN. I.D.).

(II) MEASURED CIRCUMFERENCE SHOULD BE $\pm 0.5\%$ OF CALCULATED CIRCUMFERENCE BASED ON I.D. SPECIFIED.

9. CODE OF CONSTRUCTION : ASME SECTION VIII DIV. 1; 2019.

10. BLANK DIA AS SHOWN IS FOR REFERENCE ONLY. DISHED END SUPPLIER TO CHECK AND CAN MODIFY IT BEFORE CUTTING OF BLANK TO MEET THE END DIMENSIONS.

06	DISHED END 16 TK.	3492	14	16	50	923	SA516 Gr.60/70	4152	1701.0
05	DISHED END 16 TK.	2472	14	16	50	668	SA516 Gr.60/70	2988	881.0
04	DISHED END 16 TK.	4068	14	16	50	1067	SA516 Gr.60/70	4810	2281.0
03	DISHED END 16 TK.	3968	14	16	50	1042	SA516 Gr.60/70	4696	2175.0
02	DISHED END 12 TK.	2226	10	12	50	607	SA516 Gr.60/70	2677	530.0
01	DISHED END 12 TK.	1976	10	12	50	544	SA516 Gr.60/70	2391	423.0
ITEM	DESCRIPTION	ØDi	t1 (MIN.)	t2 (NOM.)	SF	hi	MATERIAL	BLANK DIA (BD)	WEIGHT Kg.

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

OC - 1, FBM-4
HCM - 4

उत्पाद को प्रकार या

गठन / परियोजना का नाम

TYPE OF PRODUCT OR

NAME OF CUSTOMER/PROJECT

210 MW UNCHAHAR AND 500 MW KAHALGAON

M/S. NTPC

भारत हेवी इलेक्ट्रिकल्स लिमिटेड

भोपाल

BHE

BHARAT HEAVY ELECTRICALS LTD.

BHOPAL

विभाग

UNTO. DIMS. GR.

DEPT.CDE

M

कोड

AA0230208

शीट

TITLE

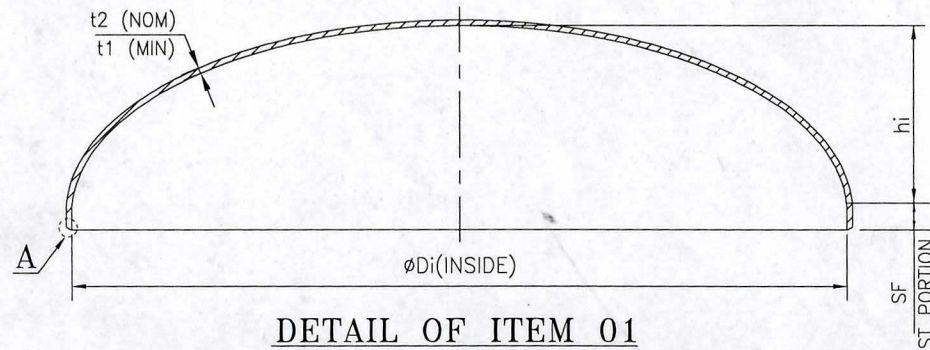
DISHED ENDS

नाम / NAME	हस्ता / SIGN.	दि. / DATE	वै. की संख्या / NO. OF VAR.
N.R.P.	-SD/-	20.04.05	
BISWAS/M.L.C.	-SD/-	20.04.05	00
MUKESH	-SD/-	20.04.05	

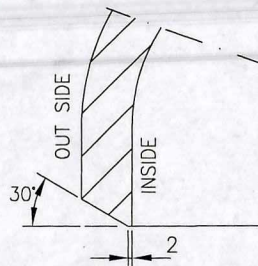
उत्प. ड्रा. का संदर्भ / REF. TO ASSY. DRG.	सद. क. / ITEM NO.	सद. संख्या / NO. OF ITEM
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ड्रा. क. / DRAWING NO. 3-17052-40080
पृष्ठ क. / SHT. NO. 1 पृष्ठों की सं. / NO. OF SHT. 1

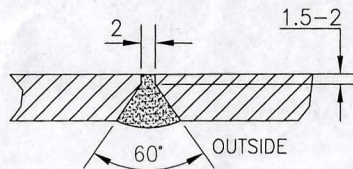
DRG. NO. 3-16053-40503



DETAIL OF ITEM 01
(PROFILE - 2:1 ELLIPSOIDAL)



DETAIL-A



DETAIL-B

NOTES:-

1. MATERIAL OF CONSTRUCTION : SA516 Gr.60/70 OF ASME SEC-II PART-A;2019 NORMALIZED. PLATE TO BE ULTRASONICALLY TESTED IN ACCORDANCE WITH SA435/LEVEL-A OF SA578.
2. FORMING TO BE DONE FROM SINGLE BLANK PLATE. IF MADE IN TWO (02) SEGMENTS-WELD PREPARATION AND WELDING TO BE DONE AS SHOWN IN 'DETAIL-B' FOLLOWED BY DRESSING & 100% RADIOGRAPHED BEFORE FORMING AS PER UW-51 OF ASME SECTION-VIII DIV-1;2019.
3. EDGE PREP. REQUIRED AS PER DETAIL 'A' SHOWN.
4. HEAT TREATMENT :- DISHED END TO BE STRESS RELIEVED AFTER FORMING AS PER UCS-56 OF ASME SEC.-VIII DIV.-1;2019.
5. AFTER HEAT TREATMENT KNUCKLE PORTION, STRAIGHT FACE INCLUDING EDGE PREP. AND WELD FACE TO BE DYE PENETRATION TESTED AS PER APPENDIX-8 OF ASME SEC.VIII DIVN.1; 2019.
6. CENTRAL HOLE ON DISHED END IF ANY NOT TO BE PLUGGED.
7. PAINTING AFTER SURFACE CLEANING : ONE COAT OF RED OXIDE EPOXY PRIMER ON INSIDE & OUT SIDE SURFACE LEAVING 50 MM FROM EDGE.
8. TOLERANCE : (I) OVALITY SHOULD NOT EXCEED 0.5% OF DISHED END ID.
(DIFFERENCE MAX. & MIN. I.D.).
(II) MEASURED CIRCUMFERENCE SHOULD BE ± 0 OF CALCULATED CIRCUMFERENCE BASED ON I.D. SPECIFIED.
9. CODE OF CONSTRUCTION : ASME SECTION VIII DIV. 1; 2019.
10. BLANK DIA AS SHOWN IS FOR REFERENCE ONLY. DISHED END SUPPLIER TO CHECK AND CAN MODIFY IT BEFORE CUTTING OF BLANK TO MEET THE END DIMENSIONS.

02	DISHED END	976	10	12	50	244	SA516 Gr. 70	1250	115.0
01	DISHED END	2968	14	16	50	742	SA516 Gr. 70	3554	1245.0
ITEM No.	DESCRIPTION	ØDi	t1 (MIN.)	t2 (NOM.)	SF	hi	MATERIAL	BLANK DIA	WEIGHT Kg.

ADDITIONL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS
OC - 1, FBM-4
HCM - 4

REV.	DATE	ALTERED
01	29.8.2020	CHECKED APPROVED
ZONE	NOTE-2 MODIFIED.	

उत्पाद का प्रकार या
ग्राहक / परियोजना का नाम
TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

FLASH TANK

	भारत हेवी इलेक्ट्रिकल्स लिमिटेड भोपाल		नाम / NAME	हस्ता / SIGN.	दि./ DATE	चेक की संख्या NO. OF VAR.
	क्रमांक DRN.	राधाकान्त मेहर	राधाकान्त मेहर	08.02.2020		
	वर्षा CKD.	एनियस रेसना दीपक मोदीकर	एनियस रेसना दीपक मोदीकर	08.02.2020		
	स्वीकृत APPD.	ए.के. माहौर	ए.के. माहौर	08.02.2020		

विभाग DEPT./CDE	उत्प. टोल. नाम की श्रेणी UNTOL. DIMS. GR.	उत्पात SCALE	भार WEIGHT(K.G.)	उत्प. ड्राइंग का संदर्भ REF. TO ASSY. DRG.	मद क. ITEM NO.	मद संख्या NO. OF ITEM
411	AA0230208	---	---		---	---

शीर्षक TITLE

DISHED ENDS

ड्राइंग नं. DRAWING NO.
3-16053-40503 01
पृष्ठ नं. SHT. NO. 1 पृष्ठों की सं. NO. OF SHT. 1



Date 12/09/2020

**PRE-QUALIFICATION CRITERIA FOR
CS Dished Ends (Fully Finished Basis)
FOR FLASH TANKS & MISC. TANKS
For PI No. 241101041**

B: FINANCIAL CRITERIA-

S.No	Criteria	Documents Required in Support	Document Submitted
1.01a	Mandatory statutory Documents- PAN & GSTIN	Copy of PAN Card Copy of GSTIN document issued by appropriate Govt. Authority MSME Certificate CA Certificate (For MSME Category)	

Note:

1. After satisfactory fulfilment of all the above criteria/requirement, offer shall be considered for further evaluation as per NIT and all other terms of the tender.
2. **PQR (pre-qualification criteria) submitted shall be duly signed and stamped by Authorized person.**
3. BHEL shall evaluate the credentials and accept/reject the claim based on the evaluation of submitted documents. The decision of BHEL is final in this regard.
4. BHEL reserves the right to verify the information submitted by the bidder. In case the information is found to be false or incorrect, the offer / purchase order shall be rejected at any stage.
5. After successful Qualification against this PQR, credentials provided by Bidder shall be submitted to Maharashtra State Power Generation Corporation Limited (MAHAGENCO) for approval. Consideration for placement of Order is subject to approval of bidder by MAHAGENCO.

Shri D. K. Cherian
(Buyer - MTX)

Shri S.P. Vatsa
(Engg. CDE)

*PQR reviewed for Planning
requirement of delivery,
12/09/2020*

(Parag H Sanghvi)
(Planner HCM)

PRE-QUALIFICATION CRITERIA FOR
CS Dished Ends (Fully Finished Basis)
FOR FLASH TANKS & MISC. TANKS

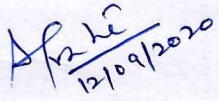
For PI No. 241101041

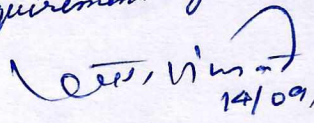
The bidder shall produce documentary evidence/confirmation for meeting the following pre-qualification criteria along with their offer.

A-Technical:

Sr. No.	Criteria	Documents required to be submitted in support of claim	Vendor Response / Documents submitted
1.	Only Indigenous manufacturers are allowed to participate	Confirmation of indigenous manufacturer	Confirmed / Not Confirmed
2.	Availability of in-house manufacturing facilities of CS Dished Ends meeting BHEL technical specification & QP requirement	Confirmation and list of facility available in-house manufacturing of OD3000x16thk Dished end to be furnished. Confirmation for calibrated Heat treatment facility (in-house/ out sourced)	Furnished/ Not Furnished Confirmed/ Not Confirmed
3.	Bidder to have experience of forming minimum 02 No. Dished Ends of OD 2000mm (min) & nominal thickness 14mm (min) from CS plate	Copy of 2Nos un-priced POs (showing date of PO, date of supply, item description, name of customer, etc. as available). Co-related material test certificate & and inspection report (duly verified by the inspection agency) are required to be submitted for both POs.	Furnished/ Not Furnished.
4.	To establish business continuity, Bidder is required to submit at least two (02) PO for manufacturing & supply Dished ends of any size / material in last three (03) years from due date of bid submission.	Copy of 2Nos un-priced POs (showing date of PO, item description, name of customer, etc.)	Furnished/ Not Furnished.


Shri D. K. Cherian
 (Buyer – MTX)


Shri S.P. Vatsa
 (Engg. CDE)


(Parag H Sanghvi)
 (Planner HCM)

ENQUIRY

 BPC 0007	ENQUIRY TWO PART BID	भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल - ४६२०२२ (भारत) BHARAT HEAVY ELECTRICALS LIMITED, BHO PAL - 462022(INDIA) सामग्री प्रबंध विभाग MATERIALS MANAGEMENT DIVISION	ENQUIRY NO E1903036 ENQUIRY DATE 22/09/20 ENQUIRY DUE DATE 13/10/20
	TIN NO. 23573600001 ECC NO. AACB4146PXM009 MPCT NO. HEL/03/01/000LKS151179 PHONE: 91-755-2500100 (7 LINE) FAX: 91-755-2500023 WWW.BHEL.BHOPAL.COM		

S.NO	INDENT NO	ITEM NO	CATEGORY	ENQUIRY QTY.
1	241101041	1	4300	4.000
2	241101041	2	4300	2.000
3	241101041	3	4300	2.000

NOTE: BHEL, BHOPAL'S Standard Terms & Conditions BP200102/MM5533 rev02 for imports and BP200102/MM5527 rev03 for indigenous procurements form a part of this Enquiry. Bidders may obtain from us copies of these terms and conditions if not already available.

SPECIAL REMARKS:

NAME : RASHMI PRATIMA KUIUR
DESG : DY. MANAGER
 0755-2502401
 rashmininz@bhel.in
 Dy. Manager (MTX)
 श्री. एच.ई. एल., भोपाल



ENQUIRY

TWO PART BID

भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल - ४६२०२२ (भारत)

राशमी प्रतीम कुजूर

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL - 462022 (INDIA)
MATERIALS MANAGEMENT DIVISION

TIN NO. 23573600001 ECC NO. AABC4146PXM009 MPCT NO. HEL/03/01/00010815/11/79

PHONE: 91-755-2500100 (7 LINE)

FAX: 91-755-2500023

WWW.BHEL.BHOPAL.COM

ENQUIRY NO E1903036

ENQUIRY DATE 22/09/20

ENQUIRY DUE DATE 13/10/20

SUPP NAME AND ADDRESS

SUPP CODE REV CD REV NO REV DATE NO OF CATY2 NO OF CATY3 ENQ NO OF ITEMS INDENT NO

GUARANTEE CERTIFICATE Y 0 NA 3 3 3 241101041

TEST CERTIFICATE Y Y SUPPLY CONDITION -----DO-----

INSTRUCTION BOOKLET N N TECHNICAL CONDITION AS PER DRG. MENTIONED IN ITEM DESCRIPTION ALONG WITH NOTES THERE ON & QAP CDE-12-2940 R08

SAMPLE N N INSPECTION CONDITION BHEL APPOINTED TPIA AS PER BHEL STD. QA PLAN CDE-12-2940. REV 08 & CHECKLIST TO PI 241101041

GATE PASS Y Y

NOTE: QUOTE PRICE BOTH IN FIGURES & WORDS, IN CASE OF MISMATCH PRICE IN WORDS WILL BE VALID. QUOTATIONS NOT BEARING ENQUIRY NO AND DUE DATE LIABLE TO BE REJECTED.

SL NO	MATERIAL CODE	DESC	UNIT	ITEM QTY	QTY VR%	LOT NO	LOT QTY	DEST	DELIVERY DATE
1	HE4170571037	DISHED ENDS (WITH SUPPLIERS OWN MATERIAL) TO ITEM-01 OF DRG.3-16053-40503 REV.01 (WEIGHT=1245 KG EACH) AND NOTES THERE-ON MEETING QAP CDE-12-2940 REV.08. NOTE: (1) IDENTIFICATION NO. DE4321 TO BE STAMPED (HARD PUNCH) ON EACH DISHED END RESPECTIVELY FOR PROPER CO-RELATION, (2) RAW MATERIAL SHALL BE MAKE OF SUPPLIERS AS PER ANNEXURE - A.	NO	4,000	0	1	4,000	211	30/12/20
2	HE4170571045	DISHED ENDS (WITH SUPPLIERS OWN MATERIAL) TO ITEM-02 OF DRG.3-16053-40503 REV.01 (WEIGHT=115 KG EACH) AND NOTES THERE-ON MEETING QAP CDE-12-2940 REV.08. NOTE: (1) IDENTIFICATION NO. DE4325 TO BE STAMPED (HARD PUNCH) ON EACH D' END RESPECTIVELY FOR PROPER CO-RELATION, (2) RAW MATERIAL SHALL BE MAKE OF SUPPLIERS AS PER ANNEXURE - A.	NO	2,000	0	1	2,000	211	30/12/20
3	HE4170571053	DISHED ENDS (WITH SUPPLIERS OWN MATERIAL) TO ITEM-01 OF DRG.3-17052-40080 REV.10 (WEIGHT=423 KG EACH) AND NOTES THERE-ON MEETING QAP CDE-12-2940 REV.08. NOTE: (1) IDENTIFICATION NO. DE4327 TO BE STAMPED (HARD PUNCH) ON EACH D' END RESPECTIVELY FOR PROPER CO-RELATION, (2) RAW MATERIAL SHALL BE MAKE OF SUPPLIERS AS PER ANNEXURE - A.	NO	2,000	0	1	2,000	211	30/12/20

REMARK OFFER TO BE SUBMITTED IN TWO PART BID SYSTEM AS PER BP-200102 (GEN T & C). SUPPLIER TO FILL THE ENCLOSED PQR, ANNEXURE-B, ANNEXURE-C, ANNEXURE-D & BP-200102 (T & C) AND SUBMIT THE SAME ALONG-WITH OFFER DULY SIGNED AND STAMPED.

DRAWING Y PURCH SPEC Y CATALOGUE N PLAN Y TWO PART BID Y

SUPP CD. SUPP NAME MSME STATUS PMD Cust Appr

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SPECIAL REMARKS:

NAME : RASHMI PRATIMA KUJUR

DESG : DY. MANAGER

0755-2502401

rashminiz@bhel.in

22/09/2020

SIGN & SEAL

BHOPAL