ITEM: SUPPLY OF TOP & BOTTOM COVER PLATE [DRG NO. 3 982 10 13223 (G)/02 & 3 982 10 13224 (0)/02]

TECHNICAL PQR, DRAWING, QAP: AS ATTACHED

QUANTITY: As per AS ATTACHED BOQ

BILL OF MATERIAL (BOM):

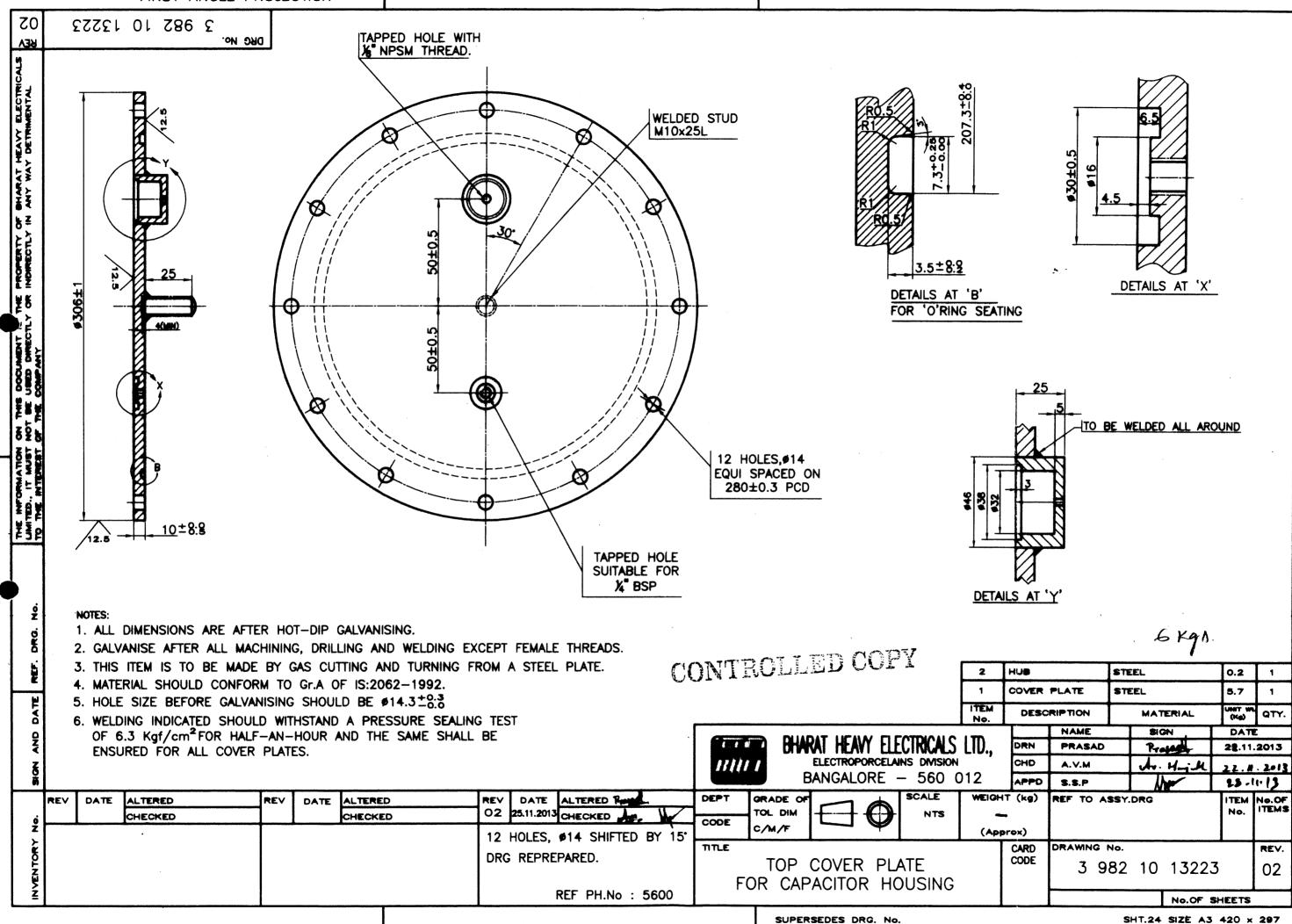
Sr. No.	BHEL Item Code	Description of Item/Specification	Quantity	UOM	Technical Specification/Drg.
1	121922	TOP COVER PLATE- 3 982 10 13223 (G)/02	206.000	EA	As attached
2	121932	BOT. COVER PLATE- 3 982 10 13224 (0)/02	87.000	EA	As attached

- 1. Bidder to provide signed & Sealed GEM BID & ANNEXURE No. A/12303282/12.01.2023 with offer.
- 2. To get MSE preference, bidder to choose MSE purchase preference on GEM portal otherwise purchase preference shall not be applicable.
- 3. To get MII preference, bidder to choose MII purchase preference on GEM portal and bidder to submit signed local content declaration otherwise purchase preference shall not be applicable.
- 4. Item shall be manufactured as per attached drawing.
- 5. Delivery Schedule: Material shall be supplied within 45 days from the date of purchase order to BHEL SBD, Bangalore.
- 6. Delivery location: BHEL SBD MP Stores Bangalore-560012 as per GeM consignee.
- 7. Price basis: Price shall be firm till completion of the contract. No PVC is applicable.
- 8. Payment terms: Hundred Percent (100%) of basic price of the material supplied as per PO, along with 100% taxes & duties (as applicable) shall be payable on pro-rata as per following manner
 - (i) 45 days for Micro & Small Enterprises (MSEs)
 - (ii) 60 days for Medium Enterprises
 - (iii) 90 days for Non-MSME

from the date of receipt of goods at BHEL SBD and receipt of complete documents at BHEL SBD as specified in Clause No. 9 below subject to acceptance of materials. [i.e. date of acceptance of material or date of submission of complete set of documents (whichever is later) shall be considered for reckoning the due date of payment.]

- 9. Documents to be Submitted by Vendor for payment:
 - a. Original GST compliant invoice. (Original for Buyer copy)
 - b. Copy of LR/ Delivery Challan for local supplier in place of LR
- 10. Invoice to be made as per the prevailing GST format only. TDS Deductions applicable as per GST Law & TDS certificate shall be issued by BHEL in line with the latest amendment in GST Law.
- 11. Technical PQR- requirement attached for years of Past Experience & supply.
- 12. Minimum Average Annual Turnover of the Bidders shall be 2 lakhs for last three FY.
- 13. Inspection and Quality Clearance: As per attached QAP

	BOQ FOR 12303282										
SI No.	Item Code	Item Description	Quantity	UOM	Unit Price (Inclusive of TAX) [QUOTED/NOT QUOTED]	Applicable GST %	HSN Code				
1	121922	TOP COVER PLATE- 3 982 10 13223 (G)/02	206.00	EA							
2	121932	BOT. COVER PLATE- 3 982 10 13224 (0)/02	87.00	EA							





PRE-QUALIFICATION REQUIREMENTS

Ref. No.: SBD/Ins. Prodn /PQR-MP

Dt: 11/01/23

ITEM: METAL PARTS (MS Components) for Porcelain Insulators

P.R.No. 12303282

S. No.	BHEL qualification requirement	Documents Required
	I. PRE-QUALIFICATION CRITERIA	
1	Vendor should have fabrication facilities consisting mainly cutting, grinding milling, drilling, turning & welding.	Submitted / Not submitted (Vendor should provide documentary evidence by way of manufacturing facilities & capacity etc)
2	Vendor must have supplied 150 nos. of <u>Fabricated Components</u> preferably to insulators Manufacturers.	Submitted / Not submitted (vendor should provide documentary evidence by way of list of PO/Invoice)
3	Material supplied should be durable and vendor should guarantee for its durability for minimum three years in use.	Acceptable / Not acceptable
4	Vendor should accept for pre-despatch inspection of material as per BHEL drawings.	Vendor to confirm Acceptable / Not acceptable

Note: I) Vendors to indicate clearly for acceptance or non-acceptance against each point. Technical bid can be processed further only when points mentioned above are responded and required documents are submitted.

II) PQR Requirement listed in Sl. No. 01 & 02 is not applicable to PMD vendors under machined components for insulators category of BHEL-SBD.

MANOJ KUMAR DGM/Ins.Production

चार्चकर्ण राज्याण, श्रम्र मुक्ता ब्रुवक्रुवस्क / क्ष्माक्षे श्रम्भावस्य । इन्सुलेटर उत्पादन अAR, DGM / Insulator Production BENGALURU-560012



BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION PROF.C.N.R RAO CIRCLE, IISC POST MALLESHWARAM, BENGALURU-560012

STANDARD QUALITY ASSURANCE PLAN

ITEM:

1.TOP COVER PLATE-3-982-10-13223 REV02 2.BOTTOM COVER PLATE- 3-982-10-13224 REV02

QP NO.: EPD_QP_IP_2020-21_0011

REV. NO.: 00 DATE: 27.03.2021

PAGE 1 OF 3

SL. NO	ITEM/ COMPONENT	CHARACTERISTICS	CLASS	TYPE OF	QUANTUM	REFERENCE		FORMAT OF RECORD				AGI	ENCY	REMARKS	
	COMPONENT	CHARACTERISTICS		CHECK	OF CHECK	DOCUMENT	NORMS			М	В	Commence of the control of the contr			
1.	2.	3.	4.	5.	6.	7.	8.	9.	D *	**	10.	11.			
Α	INSPECTION	BY SUPPLIER AT THE	IR WORKS	-	-			-				The second secon			
A.1	Top & Bottom Cover plate	Bottom Cover (Heat No, Chemical on Composition,	IS 4759:1996,	9:1996, IS 4759:1996,	Supplier TC	٧	V	V							
A.2		Visual	Major	Physical	100%	BHEL Drg./BHEL Spec	BHEL Org./BHEL	Inspection Report	٧	Р	V				
A.3		Gauge Inspection (as applicable)	Major	Physical	100%	. Spec	pec Spec	эрес	opac .	Spec	Inspection Report	٧	Р	٧	The second second second second
A.4		Dimensions	Major	Physical	10 per 1000 & part thereof	8		Inspection Report	٧	Р	V	9 8 80 B B 800 A			
A.5		Mass/ Thickness of Zinc coating by Elcometer	Major	Physical	Min 3 per 1000 & part thereof	IS 4759:1996, BHEL Spec./ BHEL Drg.	IS 4759:1996, BHEL Spec./ BHEL Drg.	Inspection Report	٧	P	V	610 g/m ² Unless mentioned in BHEL Drg./ BHEL Spec			
A.6	5	Uniformity of Zinc coating	Major	Chemical	Min 3 per 1000 & part thereof	IS 2633/ BHEL Spec	IS 2633/ BHEL Spec	Test Report	٧	P	٧	No permanent deposit of copper for 1 min each after 4 dips Unless mentioned in BHEL Drg./ BHEL Spec			
A.7	.7	Purity of Zinc Ingot used for Galvanizing	Major	Chemical	One sample per Ingot Lot	IS 209:1992	% Zinc ≥ 99.5	Manufacturer Test Certificate & Third party Lab Test report	√	V	V	Vendor to give COC for Manufacturer TC for usage in BHEL PO			
A.8		Adhesion Test	Major	Mechanical	Min 5 per 5000 & part thereof	IS 2629 : 1985/BHEL Spec./ BHEL Drg.	No peel off	Inspection Report	٧	Р	V	2 (14 oc. 1) — 14 Million			

LEGEND: *D: RECORDS, INDENTIFIED WITH "TICK" (v) SHALL BE ESSENTIALLY INCLUDED BY VENDOR IN QA	FOR BHEL USE		
DOCUMENTATION.	· ·		
** M: MANUFACTURER/SUB-VENDOR, B: BHEL/BHEL NOMINATED INSPECTION AGENCY	. 1	200/	
P: PERFORM W: WITNESS AND V: VERIFICATION.	D. k. Mulhy		
	PREPARED BY: D K MUKHERJEE	APPROVED BY: ADITYA	QUALITY
		KUMAR MOURYA	ASSURANCE



BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION PROF.C.N.R RAO CIRCLE, IISc POST MALLESHWARAM, BENGALURU-560012

STANDARD QUALITY ASSURANCE PLAN

ITEM:

1.TOP COVER PLATE-3-982-10-13223 REV02 2.BOTTOM COVER PLATE- 3-982-10-13224 REV02

QP NO.: EPD_QP_IP_2020-21_0011

REV. NO.: 00 DATE: 27.03.2021

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BH	IEL-SBD				1			i					
SL. NO	ITEM/ COMPONENT	CHARACTERISTICS	CLASS	TYPE OF	QUANTUM REFERENCE DOCUMENT	1		ACCEPTANCE NORMS	FORMAT OF RECORD			ENCY	REMARKS
				CHECK	OF CHECK					M	В		
1.	2.	3.	4.	5.	6.	7.	8.	9.	D *	**	10.	11.	
В	PRE DISPATCH	INSPECTION AT VENDO	RS WORKS/	INSPECTION AT	BHEL WORKS								
B.1	Top & Bottom Cover plate	Visual	Major	Physical	IS:2500 Ptl AQL 0.65%	IS 4759:1996, BHEL Drg./BHEL Spec	IS 4759:1996, BHEL Drg./BHEL Spec	Inspection Report	-	P/-	W/P		
B.2		Gauge Inspection (as applicable)	Major	Physical	IS:2500 Ptl AQL 0.65%	IS 4759:1996, BHEL Drg./BHEL	IS 4759:1996, BHEL Drg./BHEL	Inspection Report	-	P/-	W/P		
B.3		Dimensions	Major	Physical	2 per 1000 & part thereof	Spec	Spec	Inspection Report	-	P/-	W/P		
B.4		Mass/ Thickness of Zinc coating by Elcometer	Major	Physical	Min 3 per 1000 & part thereof	IS 4759:1996, BHEL Spec./ BHEL Drg.	IS 4759:1996, BHEL Spec./ BHEL Drg.	Inspection Report	-	P/-	W/P	610 g/m ² Unless mentioned in BHEL Drg./ BHEL Spec	
B.5		Uniformity of Zinc coating	Major	Chemical	Min 3 per 1000 & part thereof	IS 2633/ BHEL Spec	IS 2633/ BHEL Spec	Test Report	-	P/-	w/v	No permanent deposit of copper for 1 min each after 4 dips Unless mentioned in BHEL Drg./ BHEL Spec	
B.6		Adhesion Test	Major	Mechanical	Min 5 per 5000 & part thereof	IS 2629: 1985/BHEL Spec./ BHEL Drg.	No peel off	Inspection Report	-	P/-	W/P		

Notes:

- 1. Material supplied shall be in line with BHEL Purchase Order, Technical Specification, Approved Drawings, applicable Standard References, or any other document/references.
- 2. For first time supply by the vendor, sample approval to be obtained before bulk manufacturing from BHEL Quality/Engg.
- 3. The SQAP shall be read in conjunction with BHEL Specification mentioned in Purchase Order and shall deem to include any additional tests as per the specification/Standard.

LEGEND: *D: RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY VENDOR IN QA	FOR BHEL USE		
DOCUMENTATION.			
** M: MANUFACTURER/SUB-VENDOR, B: BHEL/BHEL NOMINATED INSPECTION AGENCY	2 . 11 11	209	
P: PERFORM W: WITNESS AND V: VERIFICATION.	D. W. Muldyn		
	PREPARED BY: D K MUKHERJEE	APPROVED BY: ADITYA	QUALITY
		KUMAR MOURYA	ASSURANCE



BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION PROF.C.N.R RAO CIRCLE, IISC POST MALLESHWARAM, BENGALURU-560012

STANDARD QUALITY ASSURANCE PLAN

ITEM:

1.TOP COVER PLATE-3-982-10-13223 REV02 2.BOTTOM COVER PLATE- 3-982-10-13224 REV02 QP NO.: EPD_QP_IP_2020-21_0011

REV. NO.: 00 DATE: 27.03,2021

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								1								
SL. NO	COMPONENT	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD						AGENCY		REMARKS
-					OF CHECK				- 1	М	В					
1.	2.	3.	4.	5.	6.	7.	8.	9.	D	**	10.	11.				
Δ	In case of a	ny contradiction hat		COAD DUELO		<u></u>										

4. In case of any contradiction between this SQAP, BHEL Specifications the following precedence shall be followed:

1st: BHEL Purchase Order Specification;

2nd: This STANDARD QUALITY ASSURANCE PLAN & Applicable standard;

3rd: Manufacturers plant standards

5. Packing shall be as per BHEL purchase order.

6. BHEL reserves the right for pre-dispatch inspection at vendor works by BHEL or BHEL nominated agency.

7. In case of pre-dispatch inspection, vendor shall raise the inspection call in the online portal URL: www.cqir.bhel.in with inspection agency as BHEL SBD and shall upload Test Certificates, Internal inspection Report as per this SQAP in CQIR Portal. Final Pre dispatch inspection report must contain joint inspection report, internal inspection report & Test certificates duly signed by inspector.

8. Original Test Certificates, Internal Tests Report (Duly Sealed & signed) as per this SQAP shall be sent along with lot for review.