

TD-106-1 Rev No. 5 Form No.		PRODUCT STANDARD HYDERABAD PROJECT ENGINEERING & SYATEMS DIVISION		PY55001
				Rev No. 03
				PAGE 1 of 6
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company. <u>TECHNICAL SPECIFICATIONS FOR EARTHING MATERIAL</u> 1.0 <u>PHYSICAL PROPERTIES</u> 1.1 Material Dimensions, Tolerances etc., shall be inline with mild steel as per provisions of IS 2062 as applicable on the date of enquiry. 1.2 Hot dip galvanizing shall be done on the material as per the provisions of IS 2629 as applicable on the date of enquiry. 1.3 Minimum 75 microns of Zinc coating shall be ensured during galvanizing. This is in addition to provisions of IS 4759 as applicable on the date of enquiry. 1.4 MS rods shall be procured from reputed vendors like SAIL / RINL / TISCO/ JINDAL / ESSAR STEEL. 2.0 <u>STANDARD LENGTH:</u> 2.1 GI strips shall be delivered in lengths of 5.5m ± 0.25m. 2.2 GI wires shall be delivered in 100 meters rolls. 2.3 MS rods shall be delivered in lengths of 6.0m without any –ve tolerance. 3.0 <u>TESTS</u> Following tests will be conducted in presence of purchaser/purchaser representative: Inspection of dimensions, finish surface defects, thickness & uniformity of zinc coating ,adhesion test as per provisions of IS2062, 2629, 2633 as applicable on the date of enquiry. Test certificates for the same shall be furnished, establishing the suitability of material, In 6 sets for our records within one week after the inspection. Test certificate for chemical & physical properties of Raw materials i.e. Steel Flats/Wire/Rods shall be tested as per IS-2062 from NABL approved lab/government approved laboratory and same shall be made available by vendor at the time of inspection.				
Ref. Doc	Revisions : Refer to record of revisions :	Prepared : Sd/- (G.Seshu Kiran)	Approved : Sd/- (J.K Pattanaik)	Date : 27-04-2013

TD-106-2 Rev No. 5 Form No.		PRODUCT STANDARD HYDERABAD PROJECT ENGINEERING & SYATEMS DIVISION		PY55001																																																																				
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED . It must not be used directly or indirectly in any way detrimental to the interest of the company. Ref. Doc 4.0 <u>BHEL MATERIAL CODIFICATION</u> <table border="1"> <thead> <tr> <th>VAR NO</th> <th>DESCRIPTION OF THE MATERIAL</th> <th>BHEL MATERIAL CODE</th> <th>APPROX. WT/METRE (KG)</th> </tr> </thead> <tbody> <tr><td>01</td><td>75 x 10mm GI STRIP</td><td>PY9755001018</td><td>5.89</td></tr> <tr><td>02</td><td>50 x 6mm GI STRIP</td><td>PY9755001026</td><td>2.36</td></tr> <tr><td>03</td><td>35 x 6mm GI STRIP</td><td>PY9755001034</td><td>1.65</td></tr> <tr><td>04</td><td>25 x 6mm GI STRIP</td><td>PY9755001042</td><td>1.18</td></tr> <tr><td>05</td><td>8SWG GI WIRE (STRANDED)</td><td>PY9755001050</td><td>0.099</td></tr> <tr><td>06</td><td>8SWG GI WIRE (SOLID)</td><td>PY9755001069</td><td>0.099</td></tr> <tr><td>07</td><td>3/8" dia GI FINE WIRE ROPE</td><td>PY9755001077</td><td>0.56</td></tr> <tr><td>08</td><td>5/8" dia GI FINE WIRE ROPE</td><td>PY9755001085</td><td>1.54</td></tr> <tr><td>09</td><td>25 x 3mm GI STRIP</td><td>PY9755001093</td><td>0.59</td></tr> <tr><td>10</td><td>40mm dia MS ROD</td><td>PY9755001107</td><td>10</td></tr> <tr><td>11</td><td>65mm dia MS ROD</td><td>PY9755001115</td><td>26</td></tr> <tr><td>12</td><td>32mm dia MS ROD</td><td>PY9755001123</td><td>6.5</td></tr> <tr><td>13</td><td>16SWG GI WIRE (STRANDED)</td><td>PY9755001131</td><td>0.198</td></tr> <tr><td>14</td><td>16SWG GI WIRE (SOLID)</td><td>PY9755001140</td><td>0.198</td></tr> <tr><td>15</td><td>50 x 10mm GI STRIP</td><td>PY9755001158</td><td>3.95</td></tr> <tr><td>16</td><td>40 x 5mm GI STRIP</td><td>PY9755001166</td><td>1.6</td></tr> </tbody> </table>					VAR NO	DESCRIPTION OF THE MATERIAL	BHEL MATERIAL CODE	APPROX. WT/METRE (KG)	01	75 x 10mm GI STRIP	PY9755001018	5.89	02	50 x 6mm GI STRIP	PY9755001026	2.36	03	35 x 6mm GI STRIP	PY9755001034	1.65	04	25 x 6mm GI STRIP	PY9755001042	1.18	05	8SWG GI WIRE (STRANDED)	PY9755001050	0.099	06	8SWG GI WIRE (SOLID)	PY9755001069	0.099	07	3/8" dia GI FINE WIRE ROPE	PY9755001077	0.56	08	5/8" dia GI FINE WIRE ROPE	PY9755001085	1.54	09	25 x 3mm GI STRIP	PY9755001093	0.59	10	40mm dia MS ROD	PY9755001107	10	11	65mm dia MS ROD	PY9755001115	26	12	32mm dia MS ROD	PY9755001123	6.5	13	16SWG GI WIRE (STRANDED)	PY9755001131	0.198	14	16SWG GI WIRE (SOLID)	PY9755001140	0.198	15	50 x 10mm GI STRIP	PY9755001158	3.95	16	40 x 5mm GI STRIP	PY9755001166	1.6
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED . It must not be used directly or indirectly in any way detrimental to the interest of the company.	5.0 STANDARD FORMATS: (a) CHECK LIST FOR BIDDER: (TO BE FILLED BY BIDDER AND SUBMITTED ALONG WITH TECHNICAL OFFER) Enquiry No. Date : Name of the Bidder : Project : Specification No : PY55001, Rev-03 Item : Earthing Material														
	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Check point description</th> <th>Bidder Compliance</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Duly signed Deviation Schedule(Technical) enclosed</td> <td>Yes/No</td> </tr> <tr> <td>2.</td> <td>Signed & stamped unpriced price format enclosed</td> <td>Yes/No</td> </tr> <tr> <td>3.</td> <td>Duly signed & stamped Technical Specification</td> <td>Yes/No</td> </tr> </tbody> </table> Note: Bidder shall strictly fill up the check list as applicable and submit along with the offer. No deviation is acceptable in this regard. Without duly signed & stamped checklist, offer shall not be considered for evaluation. ----- BIDDER'S STAMP & SIGNATURE				Sl. No.	Check point description	Bidder Compliance	1.	Duly signed Deviation Schedule(Technical) enclosed	Yes/No	2.	Signed & stamped unpriced price format enclosed	Yes/No	3.	Duly signed & stamped Technical Specification
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company. (b) DEVIATION SCHEDULE (TECHNICAL) Enquiry No. Date : Name of the Bidder : Project : Specification No : PY55001, Rev-01 Item : Earthing Material <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sl. No.</th> <th style="width: 15%;">Clause.no. & Spec.no</th> <th style="width: 25%;">Description as per specification</th> <th style="width: 10%;">Deviation taken</th> <th style="width: 15%;">Nature of Deviation</th> <th style="width: 25%;">Remarks</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> NOTES - Deviation to tender documents, if any, shall be indicated only in this schedule. - Deviations, if any, shall be clearly brought out only in this format. Deviations mentioned / taken elsewhere or in any other format will be ignored. - The vendor, if necessary can attach additional sheets in the same format. - Nature of Deviations shall only be of Design / Manufacturing constraints and non-availability of items / components / makes in market. - No price implications shall be entertained for deviations withdrawn during the technical scrutiny. If any deviations are accepted by BHEL during technical scrutiny then also there will be no price implication. Hence, in no case there will be consideration of Price implications. - Reasons for the deviations shall be specified in the Remarks column. If there are no deviations from the specifications, bidder still has to submit the Deviation Schedule by writing “<u>NO Deviations</u>” in this format. - If the “Deviation Schedule” is not submitted along with the offer, the bidder’s offer is likely to be rejected without any further interaction with the bidder. - Only the accepted deviations in conjunction with the original tender shall constitute the contract document for the award of job to the bidder. (Signature of the Bidder with Seal)						Sl. No.	Clause.no. & Spec.no	Description as per specification	Deviation taken	Nature of Deviation	Remarks												
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED . It must not be used directly or indirectly in any way detrimental to the interest of the company. 6.0 PACKAGE EXECUTION SCHEDULE																				
<table border="1"> <thead> <tr> <th rowspan="2">Sl. No.</th> <th rowspan="2">Event</th> <th>Schedule</th> </tr> <tr> <th>Vendor Drawings</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drawings/Data Sheet</td> <td>Within 1 week from P.O. date</td> </tr> <tr> <td>2</td> <td>BHEL Comments</td> <td>Within 1 week from receipt of the “Drawings in line with Specification”</td> </tr> <tr> <td>3</td> <td>Revised Drawings submission</td> <td>Within 1 week from BHEL’s comments date</td> </tr> <tr> <td>4</td> <td>BHEL Comments / Approval for Manufacture Clearance</td> <td>Within 1 week from receipt of the revised Drawings</td> </tr> </tbody> </table> However, it is vendor responsibility to ensure the cycle time reduction for the submission of drawing.					Sl. No.	Event	Schedule	Vendor Drawings	1	Drawings/Data Sheet	Within 1 week from P.O. date	2	BHEL Comments	Within 1 week from receipt of the “Drawings in line with Specification”	3	Revised Drawings submission	Within 1 week from BHEL’s comments date	4	BHEL Comments / Approval for Manufacture Clearance	Within 1 week from receipt of the revised Drawings
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.	RECORD OF REVISIONS					
	Rev. No.	Date	Revision Details	Revised By	Approved By	
	00	27-04-2013	ORIGINAL ISSUE	----	Sd/- J.K Pattanaik	
	01	26-04-2019	Cl. 5 & 6 are Added.	Sd/- A V Suresh	Sd/- P Suresh	
	02	17-04-2020	Variant no. 15 added.	Sd/- Vara Prasad	Sd/- P Suresh	
	03	03-07-2021	Variant no. 16 added.	Sd/- Ch Mahesh	Sd/- Saroj Kumar	
	Ref. Doc.					

TD-201 Rev No. 00	Form No.		PRODUCT STANDARD PROJECT ENGINEERING & SYSTEMS DIVISION HYDERABAD	ANNEXURE-1
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company. QAP GUIDELINES & FORMAT (ANNEXURE-1) The QAP format and guidelines for filling up the format shall be used by vendor for preparation and submission of QAP after order placement. Note : 1. Typical /Indicative /Standard QAP(s) for equipment /package attached is reference document and to use by successful bidder in future for preparation and submission of QAP for BHEL /CUSTOMER approval. 2. No deviation to reference document is acceptable.				

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<u>GUIDELINES TO VENDORS FOR PREPARATION OF QUALITY ASSURANCE PLAN</u> - QAP shall be made in landscape mode on A4 size paper as per the format enclosed. Font size shall be minimum 10. - Each page of QAP shall contain the following information. - Vendor's name & address. - Customer: BHEL, Hyderabad. - Project. - BHEL Product Standard Number/revision number as referred in P.O. - BHEL Purchase Order Number & Date. - Product as per P.O. description. - QAP Number (unique and shall not repeat)/revision number/date. - Page number and number of pages - QAP shall contain four parts / stages as follows. - Raw materials and bought out items. - In process Control / Inspection. - Final assembly, Inspection & Testing. - Painting, preservation & packing. - Under 'Component', indicate name of the component (say casing, rotor, pressure gauge, etc). - Under 'Characteristics', indicate appropriately (say chemical analysis, mechanical properties, NDT (UT,DP etc.), hydrostatic test, calibration check etc.) - Under 'Class', indicate minor, major or critical depending on the importance of characteristic. - Under 'Type of check', indicate appropriately (say chemical, mechanical, UT, DP etc.) - Under 'Quantum of check', indicate appropriately (say 100%, 10%, sample, per melt, per heat, all pieces etc.) - Under 'Reference document' and 'Acceptance norms', appropriate National & International standards, BHEL standards, approved drawing references etc. should be indicated. It is not correct to mention as "Vendor's internal standards or Vendor's standard practice etc.". If vendors' internal standards are referred, same shall be in line with BHEL Spec. indicated in the P.O. These may require review & approval by our Engineering dept. - Under 'Format of record', indicate appropriately supplier's test certificate, calibration certificate, lab report, inspection report etc. - Please refer 'Agency' in QAP format. Under P: Perform, W: Witness, V: Verify Indicate against each characteristic 1: (BHEL CQS/Nominated inspection agency), OR 2: (Vendor / Sub vendor)			
Ref. Doc			

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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED . It must not be used directly or indirectly in any way detrimental to the interest of the company.		Note: Performing agency is normally vendor or his sub vendor (Legend 2). Where witness points are indicated in specification, P.O., Drawing etc., for such operations, under Witness (W) column use 1. Under 'Verify' column, use code1. 12. Under 'D' please put (☐ Tick) against each characteristic where vendor proposes to submit test certificate/report etc. OR as required as per BHEL Specification. 13. Vendor's signature & stamp should be available on each page of QAP. 14. Vendor should read the BHEL Product Standard thoroughly and QAP should be made only inline and relevant to the Specification & Approved Drawings. 15.The following operations/characteristics/check points may be included (AS APPROPRIATE) a) Visual check b) Dimensional check c) Mechanical and Chemical properties. d) Surface preparation before painting (by chemical cleaning, sand blasting, shot blasting etc. as the case may be.) e) Painting check for shade, Dry Film Thickness (DFT), Adhesion/ peel off test etc. f) Check for correctness for all components mounted as per General arrangement Drawing, Bill Of Materials (BOM), etc. for range, rating, make, color, size, location as per GA, quantity, label description including tag nos., annunciator facia, loose components, accessories, spares etc. g) Verification of test certificate for protection class for the enclosures. h) Mechanical functioning of switches. i) Continuity of earthing and provision of earth points. j) Colour coding of wiring, size, tightness & dressing of wiring. k) Review of test certificates of assembled items, raw materials, internal test reports etc. l) Witness of functional checks, which may include mechanical run & electrical run, H.V.test, IR measurement, Electrical and Mechanical tests etc. m) PQR, WPS, Welder Qualification Record, welding records (fit up, DP) etc. n) Material identification (for punch marks of serial numbers, Heat No, Melt No, Inspector's stamp etc.) o) Hydraulic Pressure Test, Pneumatic Pressure Test, Liquid Penetration Examination and other Non Destructive Tests. p) Tests on Galvanised items (Visual, Hammer Test, Knife Test, Thickness, Pierce Test (Copper sulphate test), Hydrogen evaluation test, Stripping test (for Mass of Zinc coating) q) All tests as per BHEL Product Standard & approved drawings including Type tests and Routine tests on individual items and on System as a whole. r) Packing and Preservation. 16. QAP Format enclosed. 17. Typical Manufacturing QAP is attached.		
				Ref. Doc

VENDOR'S NAME & ADDRESS:			MANUFACTURING QUALITY PLAN						QP. NO.:				
			CUSTOMER: BHEL, HYDERABAD – 32.			BHEL P.O.NO.:			REV NO:		DATE:		
			PROJECT:			P.O.DATE:			PAGE 1 OF 1				
PRODUCT:			BHEL SPEC:			REV:							
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
										P	W	V	
1.0	RAW MATERIALS & BOUGHT OUT ITEMS												
2.0	INPROCESS INSPECTION												
3.0	FINAL INSPECTION & TESTING												
4.0	PRESERVATION & PACKING												

VENDOR TO NOTE: THIS FORMAT IS IN MICROSOFT WORD. HEADER & FOOTER SHALL BE AVAILABLE IN EACH PAGE OF QP. QP SHALL BE IN LANDSCAPE & A4 SIZE ONLY. FONT SIZE SHALL BE MIN 10. VENDOR SHALL SIGN & STAMP IN EACH PAGE OF QP. LOI REF. & DATE ARE NOT ACCEPTABLE. P.O.NO. & DATE SHALL BE INDICATED. QP NO. SHOULD BE UNIQUE AND SHALL NOT REPEAT. ALL THE TESTS / CHECKS INDICATED IN THE BHEL SPEC. SHALL BE INDICATED IN THE QP.

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL CQS (OR BHEL NOMINATED INSPECTION AGENCY) & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	PREPARED BY	APPROVED BY	APPROVED BY
	VENDOR'S SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP

VENDOR'S NAME & ADDRESS:		MANUFACTURING QUALITY PLAN							QP. NO.:				
		CUSTOMER: BHEL, HYDERABAD – 32. BHEL, MOU.NO. : PRODUCT:EARTHING MATERIAL				BHEL REF. NO. : BHEL SPEC: REV: VALID UP TO			REV NO:		DATE:		
									PAGE 1 OF 2				
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
										P	W	V	
1.0	RAW MATERIALS & BOUGHT OUT ITEMS												
	RAW MATERIALS ROLL SECTIONS	CHEMICAL ANALYSIS	MAJOR	CHEMICAL	Minimum one sample per lot/size and type	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Lab report	√	2	-	1	
		MECHANICAL PROPERTIES	MAJOR	MECHANICAL	Minimum one sample per lot/size and type	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	-do-	√	2	-	1	
		SURFACE FINISH	MAJOR	MECHANICAL	ONE PER LOT	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	-do-	√	2	-	1	
		DIMMENSION	MAJOR	MECHANICAL	10%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	-do-	√	2	-	1	
	ZINC	CHEMICAL ANALYSIS	MAJOR	CHEMICAL	5%	IS-209	IS-209	-do-	√	2	-	1	
2.0	INPROCESS INSPECTION												
	INPROCESS INSPECTION OF STRIPS AND WIRE	VISUAL CHECK	MAJOR	VISUAL	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	√	2	-	1	
		DIMENSIONAL CHECK	MAJOR	MANUAL	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	√	2	-	1	
		HOT DIP GALVANIZATION	MAJOR	VISUAL	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	√	2	-	1	
3.0	FINAL INSPECTION & TESTING												
	FINAL INSPECTION OF STRIPS AND WIRE	UNIFORMITY OF ZINC COATING	CRITICAL	CHEMICAL	Minimum one sample per lot/size and type	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	TC	√	2	1		

LEGEND: P: PERFORM, W: WITNESS, V: TEST CERTIFICATE REVIEW. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.

VENDOR'S NAME & ADDRESS:		MANUFACTURING QUALITY PLAN							QP. NO.:				
		CUSTOMER: BHEL, HYDERABAD – 32. BHEL, MOU.NO. : PRODUCT:EARTHING MATERIAL				BHEL REF. NO. : BHEL SPEC: REV: VALID UP TO			REV NO:		DATE:		
									PAGE 2 OF 2				
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
		MASS OF ZINC COATING	CRITICAL	MECHANICAL	Minimum one sample per lot/size and type	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	TC	√	2	1		
		DFT and ADHESION TEST	CRITICAL	MECHANICAL	AS PER IS-4759	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	TC	√	2	1		
		DIMENSIONAL CHECK	CRITICAL	MECHANICAL	AS PER IS-4759	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	√	2	1		
		VISUAL CHECK	CRITICAL	VISUAL	AS PER IS-4759	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	√	2	1		
4.0	PRESERVATION & PACKING												
	Packing should be according to BHEL Spec												

NOTE:-

- 1) This MQP should be read along with specification, approved drawings & approved data sheet.
- 2) Latest revisions of specifications/drawings as per P.O., approved drawings & bill of materials are applicable.
- 3) All test certificates/reports reviewed and certified by TPI/BHEL shall be submitted to BHEL as documentation package.
- 4) Drawing/data sheet shall prevail over quality plan for contradiction if any between quality plan and drawing/specification.
- 5) Any project/customer specific requirement which shall be notified have to be fulfilled by the vendor at the time of execution of order.

LEGEND: P: PERFORM, W: WITNESS, V: TEST CERTIFICATE REVIEW. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.