

Bharat Heavy Electricals Limited
Ranipet-632406, India
Quality Département

NTPL: WP: 294

Dt. 15-10-2021

Project: NTPL- TUTICORIN (2X500 MW).

Item Name	Indent No.	Indent Date	PGMA	Technical specification
Water Pumps with Motor and Acc.	RFW11442/01	13.10.2021	FW702	ENGG SPEC: ROS: 9078 and TECI: LT Motor/04, DT: 25.08.2020
	RFW11443/00	13.10.2021	FW997	

Indent file reviewed and Quality recommendations as follows:

1. Customer approved vendor list attached along with indent acceptance if any on other Vendor shall be obtained from Commercial Coordinator.
2. Inspection and testing shall be done as per QP NO.HZ PUMP: 610/00, DT: 15.06.2021 attached herewith.
3. Painting shall be as per customer approved Painting schedule.
4. Arrange acceptance on Our MQP from vendors (QP NO.HZ PUMP: 610/00, DT: 15.06.2021) with their duly sign and acceptance.
5. All Pumps shall be inspected at supplier works as per approved QP/Approved Drawing/Approved datasheet and Specification by BHEL/ BHEL TPI.
6. Annexure 'Q' and BOI's shall be part of enquiry File. Vendor shall fill the columns as appropriate.
7. BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO. The supplier shall inform BHEL in advance about the readiness of the goods for inspection and testing. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO. Material Test Certificates shall be submitted to BHEL.
8. Packing shall be as per Technical specification/ Engg Approved packing drawing.
9. General Inspection Notes:
 - a. Latest version of standards & Specification shall be applied.
 - b. Materials shall be procured in compliance to Functional Technical specification.
 - c. Gauges and measuring instruments with valid calibration only shall be used.
 - d. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.
 - e. BHEL /BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO .
 - f. In case of Vendor Drawing & Datasheet, it needs approval by BHEL Engineering.
 - g. This QP shall be read along with relevant PO, BHEL Specification / Approved Drawing /Datasheet.

This is for your information and further necessary action at your end please.

Sd\ - Rakesh Kr Madhu
 Dy/Mgr-QA

Sd\ - K Renjith
 Mgr/QA


Annexure Q

	Indent No:	Enquiry no:	
Sl.No	BHEL / Customer Requirements	## Specific confirmations by the manufacturer (Acceptable/Not acceptable)	
1	Quality Plan Requirement: (If SQP is not given & Vendor QP applicable)		
	(i) MQP (Manufacturing Quality Plan) shall be submitted in attached format for BHEL/Customer review & approval. Our SQP/Typical MQP/ MQP Format is attached for guidance & use.		
	(ii) MQP shall invariably cover w.r.t Inward inspection including on Raw material Procurement, In process and Final inspection in elaborated way/details.		
	(iii) Bidder shall also to give specific confirmation that on need basis, their competent officials shall visit to BHEL / customer for finalization of Quality plan including test procedure/methodology during preaward / post award approval / detailed engineering in the event of an order.		
	(iv) No deviation on BHEL/Customer approved MQP/ SQP (In case BHEL SQP is provided) is acceptable.		
	(v) Bidder shall agree to submit all cross referred documents other than codes/standards to BHEL/Customer/Consultant.		
	Important Notes shall be included in MQP : (a) Latest revision of Standard s & Specification shall apply. Only International Standards are applicable. (b) Materials shall be procured in compliance to Functional Technical Specification. (c) Inspection shall be in compliance with Approved Quality Control Procedure for the Product. (d) NDT shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME standard. (e) Gauges and measuring Instruments, with valid calibration only shall be used. (f) Cleaning and Painting of products shall be carried out as per Approved Painting Schedule. (g) Finished Products shall be packed to comply with Approved Packing Schedule. (h) Welding shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME standard.		
2	Domestic / Inland Inspection will be carried out by BHEL/BHEL appointed Third Party Inspection Agency (TPIA) / Customer/Customer Appointed Inspection Agency/Consultant. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentation Diagram / Process Flow Diagram / Single Line Diagram) etc. (as applicable).		
3	Inspection Agency for Foreign Bidders and also for Indian Bidder but importing from Foreign Sources: (1) Any one of the following Third Party Inspection Agency (TPIA) shall be appointed by the bidder and same shall be furnished by the bidder in techno commercial bid itself. (2) The details of TPIA with contact details like Name of the official, Phone no, Email id shall also to be submitted during pre/post award. However cost for such inspection agency shall be borne by the bidder only. Inspection charges for such inspection agency shall be indicated separately so that if BHEL/Customer is undertaking the inspection by on their own , then these charges are non claimable by the bidder. For NTPC Project ensure TPI Approved by NTPC. Refer our QC Procurement email in this regard. List of TPIA 1.M/s Bureau Veritas 2.M/s TUV-Nord 3.M/s TUV-SUD 4.M/s TUV Rheinland 5.M/s Lloyds Register 6.M/s SGS 7.M/s Germanischer Lloyd 8.M/s QUEST 9.M/s Certification Engineers International 10.M/s Intertek 11.M/s IR Class Systems and Solutions 12.M/s DNV 13. M/s Fichtner 14. M/s ABS Inspection Services		




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Sl.No	BHEL / Customer Requirements	## Specific confirmations by the manufacturer (Acceptable/Not acceptable)
4	Stage Inspection during manufacturing Process : Stage Inspection during manufacturing shall be carried out as per approved quality plan and all necessary documents shall be provided for review, verification and clearance for further processing. This inspection call shall be given well in advance (at least 2 weeks before) to TPI/Bidder's own inspection agency to avoid delay in the manufacturing processes.	
5	Inspection before despatch for domestic supplier : Inspection before despatch at supplier's works shall be carried out by BHEL appointed Inspection agency (as in Sl no. 2). Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet .	
6	Inspection at Foreign Source/Supplier: (a) As in sl no: 3. shall be ensured without fail (b) No material / items shall be despatched without getting the written communication from BHEL / Customer inspection carried out by Bidder appointed Third Party Inspection Agency (As per Sl no.3) / Customer/Customer Appointed Inspection Agency/Consultant. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentation Diagram / Process Flow Diagram / Single Line Diagram) etc. (As applicable). Inspection before despatch for Foreign supplier : Inspection before despatch at supplier's works shall be carried out by bidder appointed inspection agencies having international presence at vendors and or vendor's sub vendor works. Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet by TPIA mentioned in Sl no: 03 at supplier's cost.	
7	Painting shall be done strictly as per BHEL/Customer approved painting schedule / scheme only. Paint Thickness / Paint shade shall be ensured as per BHEL / Customer approved painting schedule / specification / data sheet etc. No deviation is acceptable unless otherwise accepted by BHEL/Customer in writing. Any conflict if any among BHEL / Customer approved painting schedule / Spec / data sheet etc. shall be brought to the notice of BHEL well in advance before proceeding including the BOI being procured for assy / skid like motors etc.	
8	Specific conformation for document package in the event of an order (2 Hard copies & soft copy in PDF file) is to be given containing the following with proper linkages (i) Index Sheet (ii) MQP/RQP/Endorsement Sheet (As applicable) (iii) TCs identified by BHEL/ Customer for record for "CHP" / "W" and Verification portion ("V") as given in approved QP. (iv) Final inspection report + TC including Chemical + Mechanical + HT + NDT etc. (v) Third party Inspection report + TC (vi) Customer CHP/ MDCC (vii) Type test / Performance Test reports conducted (viii) Type test / Performance Test approval/ clearance obtained from BHEL/Customer (ix) BOM with As Build Drgs with actual make / rating used with BHEL/customer approved drawings.	
9	Packing / Seaworthy Packing shall be as per BHEL Packing schedule / approved drg / sketch. This shall be ensured to take care transit / handling / transshipment in Road / Sea / Air. Photographs are to be submitted for BHEL review before despatching the material as per contract conditions.	
10	Outsourcing of test facilities: Bidder shall ensure all the testing facilities in house. However If any of the test facilities are not available with successful bidder, then bidder shall ensure the same at NABL accredited third party lab / Govt / Govt Lab for major testing such as NDT, Electrical & Mechanical testing.	
11	Important Note: No deviation on the above requirement 01 to 10 is acceptable with respect to Quality Requirement and those offers not meeting these specific customer requirement is liable for rejection and hence the bidder shall submit all the required documentary evidences in the offer itself.	
12	## Necessarily to be filled up by the bidder at the time of offer itself otherwise the offer may not be considered w.r.t Quality Requirement being customer specific requirement.	
VENDOR SIGN AND STAMP:		Vendor Name & Address:


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 Ranipet		MANUFACTURER'S NAME & ADDRESS		STANDARD QUALITY PLAN		PROJECT: STANDARD							
				Item/subsystem: HORIZONTAL CENTRIFUGAL PUMP	QP NO: HZ PUMP:610 Rev:00 Date:15.06.2021 Page 1 of 3								
SL NO 1	COMPONENT & OPERATION 2	CHARACTERISTICS 3	CLASS 4	TYPE OF CHECK 5	QUANTUM OF CHECK 6		REFERENCE DOCUMENTS 7	ACCEPTANCE NORMS 8	FORMAT OF RECORD 9 D	AGENCY 10			REMARKS 11
					M	B/C				M	B	C	




RAW MATERIAL INSPECTION													
1	CASTING	CHEMICAL COMPOSITION	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-	NO REPAIR WELDING IS PERMITTED ON CI AS CAST / PUNCHED HEAT NO SHALL BE PROVIDED FOR CORRELATION	
		MECHANICAL PROPERTIES	MAJOR	TENSILE TEST	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-		
		SURFACE EXAMINATION	MAJOR	VISUAL INSPECTION	100%	CASTING WILL BE FREE FROM CRACKS, SHRINKAGE, COLD SHUT, INJURIES, POROSITY SAND FUSION ETC	IR	√	P	V	-		
2	IMPELLER	CHEMICAL COMPOSITION	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-		
		MECHANICAL PROPERTIES	MAJOR	TENSILE TEST & HARDNESS	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-		
		HEAT TREATMENT (As applicable)	CRITICAL	REVIEW OF TIME- TEMP CHART	100%	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	HT CAHRT	√	P	V	-		
		SURFACE EXAMINATION	MAJOR	VISUAL INSPECTION	100%	CASTING WILL BE FREE FROM CRACKS, SHRINKAGE, COLD SHUT, INJURIES, POROSITY SAND FUSION ETC	IR		P	V	-		
3	SHAFT / SHAFT SLEEVES	CHEMICAL COMPOSITION	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-		
		MECHANICAL PROPERTIES	MAJOR	TENSILE TEST	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-		
		SOUNDNESS	CRITICAL	VISUAL INSPECTION	100%	RELEVANT PROCEDURE	UT Report	√	P	V	-	FOR BAR DIA. ≥ 50 MM.	
4	WEARING RINGS	CHEMICAL PROPERTIES	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	MTC	√	P	V	-		
		MECHANICAL PROPERTIES	MAJOR	TENSILE TEST & HARDNESS	1 SAMPLE / HEAT	RELEVANT MATERIAL SPECS AS PER APPD. DRG. / DATA SHEETS	Report	√	P	V	-		

M – Manufacturer / Subcontractor, B – BHEL /BHEL Authorized Inspection Agency, C- End Customer , P – perform, V – Verification of reports, IR – Inspection Report. W – Witness, TC – Test certificate, DP- Dye penetrant. DR – Dimensional report. MTC- Material test Certificate. * Record, identified with "tick" (√) under column 'D' shall be submitted to customer as a QA documentation package.	Prepared by	Reviewed by	Approved by
			
	Rakesh Kr Madhu (Dy.Mgr/QA)	K Renjith (Manager/QA)	R Arunachalam (DGM/QA)


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 Ranipet		MANUFACTURER'S NAME & ADDRESS		STANDARD QUALITY PLAN		PROJECT: STANDARD							
				Item/subsystem: HORIZONTAL CENTRIFUGAL PUMP	QP NO: HZ PUMP:610 Rev:00 Date:15.06.2021 Page 2 of 3								
SL NO 1	COMPONENT & OPERATION 2	CHARACTERISTICS 3	CLASS 4	TYPE OF CHECK 5	QUANTUM OF CHECK 6		REFERENCE DOCUMENTS 7	ACCEPTANCE NORMS 8	FORMAT OF RECORD 9 D	AGENCY 10			REMARKS 11
					M	B/C				M	B	C	

IN PROCESS INSPECTION														
5	CASING & WEAR AREA	DIMENSIONAL	MAJOR	MEASURE	100%		MANUFACTURING DRAWING		IR	√	P	V	-	
		HYDROSTATIC TEST OF CASTING	CRITICAL	PRESSURE TEST	100%	20%	SEE NOTE 2	NO LEAKAGE	IR	√	P	W	-	SEE NOTE -1
6	IMPELLER	DIMENSIONAL	MAJOR	MEASURE	100%		MANUFACTURING DRAWING		IR	√	P	V	-	
		DYNAMIC BALANCING	CRITICAL	MEASURE	100%	20%	ISO 1940, GR. 6.3		IR	√	P	W	-	SEE NOTE-1
7	DPT OF MACHINED AREA OF CASINGS & IMPELLER	SOUNDNESS OF CASTING	MAJOR	NDT-DPT	100%		MANUFACTURER PROCEDURE		DPT Report	√	P	V	-	
8	SHAFT & SLEEVES	DIMENSIONAL	MAJOR	VISUAL	100%		MANUFACTURING DRAWING		IR	√	P	V	-	
		SOUNDNESS	CRITICAL	ULTRASONIC TEST	100%		RELEVANT PROCEDURE		UT Report	√	P	W	-	FOR SHAFT DIA≥50 MM ONLY (EXCEPT THREADED PORTION) SEE NOTE-1
		DP TEST ON MACHINED AREA	MAJOR	DP TEST	100%		RELEVANT PROCEDURE		DPT Report	√	P	V	-	
FINAL INSPECTION														

M – Manufacturer / Subcontractor, B - BHEL /BHEL Authorized Inspection Agency, C- End Customer , P - perform, V - Verification of reports, IR – Inspection Report. W - Witness, TC - Test certificate, DP- Dye penetrant. DR – Dimensional report. MTC- Material test Certificate. * Record, identified with "tick" (√) under column 'D' shall be submitted to customer as a QA documentation package.	Prepared by	Reviewed by	Approved by
			
	Rakesh Kr Madhu (Dy.Mgr/QA)	K Renjith (Manager/QA)	R Arunachalam (DGM/QA)




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 Ranipet		MANUFACTURER'S NAME & ADDRESS		STANDARD QUALITY PLAN		PROJECT: STANDARD							
				Item/subsystem: HORIZONTAL CENTRIFUGAL PUMP	QP NO: HZ PUMP:610 Rev:00 Date:15.06.2021 Page 3 of 3								
SL NO 1	COMPONENT & OPERATION 2	CHARACTERISTICS 3	CLASS 4	TYPE OF CHECK 5	QUANTUM OF CHECK 6 M B/C		REFERENCE DOCUMENTS 7	ACCEPTANCE NORMS 8	FORMAT OF RECORD 9 D	AGENCY 10 M B C			REMARKS 11

9	PUMP ASSEMBLY	DIMENSIONAL	MAJOR	MEASURE	100%	100%	APPROVED G.A. DRAWING	IR	√	P	V	-	
10	PERFORMANCE TEST WITH JOB MOTOR	Q VS H	CRITICAL	MEASURE	100%	100%	APPROVED PERFORMANCE TEST PROCEDURE & APPROVED DATA SHEET	IR	√	P	W	-	
		Q VS P						IR		P	W	-	
		Q VS E						IR		P	W	-	
		NOISE LEVEL						IR		P	W	-	
11	NPSHR TEST	VIBRATION	MAJOR	MEASURE	100%	1 NO / MODEL	APPROVED NPSHR TEST PROCEDURE	IR		P	W	-	
		BEARING TEMP						IR		P	W	-	
12	PAINTING AND PACKING	NPSHR TEST	CRITICAL	MEASURE	100%	1 NO / MODEL	APPROVED NPSHR TEST PROCEDURE	IR	√	P	W	-	
		TYPE OF PAINT. APPEARANCE. DFT CONFORMANCE TO PACKING SPECIFICATION	MAJOR	VISUAL & MEASURE	100%		TECHNICAL SPECIFICATION /CUSTOMER APPROVED PAINTING SCHEDULE	IR	√	P	V	-	

NOTES:

:	<p>a. All the inspection/ test reports shall be submitted to Inspection agency for review and record purpose.</p> <p>b. Latest revision of Drawings, specification and standard shall be used.</p> <p>c. Materials shall be procured in compliance to Functional Technical Specification.</p> <p>d. Gauges and measuring instruments with valid calibration only shall be used.</p> <p>e. Inspection / Inspection waiver / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.</p> <p>f.. BHEL /BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO.</p> <p>g. In case of Vendor Drawing, it needs approval by BHEL Engineering.</p> <p>h. This QP Shall be read along with relevant PO, BHEL Specification/Drawing/Approved Datasheet.</p> <p>i. This QP is applicable for Mandatory spare supply also specific to the item/project wise.</p>
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M – Manufacturer / Subcontractor, B – BHEL /BHEL Authorized Inspection Agency, C- End Customer , P – perform, V – Verification of reports, IR – Inspection Report. W – Witness, TC – Test certificate, DP- Dye penetrant. DR – Dimensional report. MTC- Material test Certificate. * Record, identified with "tick" (√) under column 'D' shall be submitted to customer as a QA documentation package.	Prepared by	Reviewed by	Approved by
			
	Rakesh Kr Madhu (Dy.Mgr/QA)	K Renjith (Manager/QA)	R Arunachalam (DGM/QA)

CONTRACT QUALITY REQUIREMENTS (CQR) for LT MOTORS

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PROJECT: NTPL Tuticorin 2 x 500 MW (BHEL W.O no: G515, G516) PACKAGE: FGD PACKAGE MAIN CONTRACTOR: BHEL - RANIPET SUB CONTRACTOR (OEM) & ADDRESS: (To be filled by OEM VENDOR)	CONTRACT QUALITY REQUIREMENTS (CQR) for LT MOTORS used in <u>Process Water Pumps & Mist Eliminator Wash Water Pumps for FGD application</u> NTPL Tuticorin 2 x 500 MW FGD Project (BHEL W.O no: G515, G516)	DOC.NO: BAP/QR/G515,G516 /NTPL Tuticorin/ LTM/Water Pumps: 001 Rev NO.: 00 PAGE : Page 1 of 2 DATE: 15.10.2021	##Enquiry No: ## OEM Supplier Name & Address: ##Offer reference: ##Date: Contact Official Name: Mobile no: Email id:
Sl. NO.	DESCRIPTION	BHEL and Ultimate Customer - NTPL Quality Requirements	##Specific confirmations by the vendor

ITEM: LT Motors

01	Quality Plan Requirement	<ol style="list-style-type: none"> 1. MQP is applicable for these LT Motors and accordingly Actual LT Motor Manufacturer and OEM shall submit the MQP for BHEL and ultimate customer NTPL and its consultant DCPL approval. 2. If any of LT Motor manufacturer is having, ultimate customer NTPL and its consultant DCPL approved MQP (Manufacturing Quality Plan) / NTPC approved RQP (Reference Quality Plan) and having validity, the same is applicable for these LT Motor for inspection subject to obtaining ultimate customer NTPL and its consultant DCPL formal approval in the event of an order. 3. If LT Motor Manufacture / OEM vendor does not have MQP/RQP, they should submit a fresh MQP to BHEL/NTPL (in BHEL format) for review & approval. (copy attached). 	
02	BHEL / Ultimate Customer – NTPL approved vendors	LT Motors are to be procured only from Ultimate Customer - NTPL approved vendors and no deviation on this specific customer requirement is acceptable.	
03	Inspection Methodology to be adopted at Actual LT Motor Manufacture works by OEM vendor	BHEL/ BHEL AIA (BHEL authorized inspection Agency) / Ultimate Customer-NTPL to witness / perform inspection at LT Motor Supplier works and submit all the inspection documents and routine & Type test reports including Degree of Protection Test Reports (IP 55) as per approved MQP & approved data sheet / drg / spec / as per relevant BIS (Bureau of Indian Standard) - BIS 325 /IS 12615/ IEC 60034 etc. No material shall be dispatched without BHEL / BHEL AIA and Ultimate Customer – NTPL Inspection and dispatch clearance.	
04	Painting Requirements	Painting requirement like paint shade and painting thickness including no of coats if any are to be ensured by the OEM vendor for these LT Motors as per BHEL/ Ultimate Customer - NTPL and its consultant M N Dastur approved data sheet/drg/spec (As applicable).	
05	Packing	Packing shall be as per Specification / Drg. / Data sheet including sea worthy packing if any to avoid any transit & handling damages.	
06	For Inspection call	Inspection call by OEM Vendor for LT Motor inspection at Actual LT Motor Manufacture works to be raised for BHEL/BHEL AIA inspection / Ultimate Customer – NTPL including for type test witnessing to be ensured / addressed to Mr R Kesavan., DGM (QC-Proc)., Mobile no: +91 9443006303., Email id: kesavan@bhel.in and Mr Zeeshan Ali., Sr.Engineer (QC-Proc)., Mobile no: +91 9443149691., Email id: kovak@bhel.in including for inspection related activities for immediate response / resolution.	

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ANNEXURE-II: MANUFACTURING QUALITY PLAN

MFGR.'s LOGO		MANUFACTURER'S NAME AND ADDRESS		MANUFACTURING QUALITY PLAN				PROJECT : NLC TAMILNADU POWER LTD (2 X 500 MW) PACKAGE : FGD PACKAGE CONTRACT NO. : MAIN-SUPPLIER : BHEL RANIPET					
				ITEM: LT MOTOR SUB-SYSTEM: WATER PUMPS		QP NO.: REV. NO.: DATE: PAGE: OF....							
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS	
1.	2.	3.	4.	5.	6.	7.	8.	9.	D*	M	C	L	11.
		LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (√) WILL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER/SUB-SUPPLIER C: SUPPLIER/NOMINATED INSPECTION AGENCY, L: PURCHASER P: PERFORM W: WITNESS AND V: VERIFICATION. AS APPROPRIATE, CHP: PURCHASER WILL IDENTIFIED IN COLUMN "N"						DOC. NO.: CAT.....			REV.....		
MANUFACTURER/ SUB-SUPPLIER							MAIN-SUPPLIER (BHEL)		FOR PURCHASE R USE				
SIGNATURE								REVIEWED BY		APPROVED BY		APPROVAL SEAL	