


TTTD-106-1 Rev No. 5	Form No.	 <b>HYDERABAD</b>	<b>PROJECT ENGINEERING &amp; SYSTEM DIVISION</b> <b>BHEL, HYDERABAD –32.</b>				<b>PY51893</b>
							Rev No. 00

**TECHNICAL SPECIFICATION FOR**


**FIRE PROTECTION AND DETECTION SYSTEM**

**PROJECT**                      **1 X 100MW NAMRUP COMBINED CYCLE REPLACEMENT**  
**POWER PROJECT ( PHASE -1) –NAMRUP , ASSAM**

**CUSTOMER**                      **ASSAM POWER GENERATION CORPOTATION LTD, GUWAHATI,**  
**ASSAM**


**CONSULTANT**                      **M/S DEVELOPMENT CONSULTANTS (P) LTD CONSULTING**  
**ENGINEERS**


		Revisions :	Prepared by:	Checked by:	Approved By:	Date
00			D V Prashant	Kamal	PCS	02.11.2022


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<b>COPYRIGHT AND CONFIDENTIAL</b> 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.	<p><b>1. INTENT OF SPECIFICATION:</b></p> <p>1.1. This specification comprises the details of Balance Scope of supply and Works for Fire Detection &amp; Alarm System (FDA) for 1x 100 MW APGCL Namrup Project, to be carried out by contractor, but not limited to following for final painting, erection, testing, commissioning and performance testing, final handling over as mentioned hereinafter for the FDA System, which form part of project.</p> <p><b>2. SPECIAL NOTES TO BIDDERS</b></p> <p>2.1 This specification shall be read in conjunction with all its enclosures.</p> <p>2.2 Fire Detection &amp; Alarm System: This System consists of Fire Detection and Alarm System supplied and erected partially. There are several leftover erection works and leftover supplies, w.r.t. overall completion of the system. The bidder/vendor shall complete following</p> <ul style="list-style-type: none"> <li>• Make the left-over supplies, that are required for completion of Fire Detection &amp; Alarm system</li> <li>• Complete the left-over erection works, that are required for completion of Fire Detection &amp; Alarm system</li> <li>• Commission the Fire Detection &amp; Alarm system including all sub-systems</li> <li>• Hand-over the Fire Detection &amp; Alarm system to customer.</li> </ul> <p>The details of the above are provided in the “scope of supply and E&amp;C” section (Cl.4) of this specification.</p> <p>2.3 In this specification, enough clarity has been brought by BHEL regarding the site front facilities, nature and Quantum of Balance works of FDA system, that must be completed to commission the systems.</p> <p>2.4 All mounting hardware/ accessories/fittings/conduits/erection consumables etc. required for the completion of the FDA System package shall be included in the basic price quoted by the bidder. Bidder, at no point of time, shall be eligible to raise any extra claim in this regard.</p> <p>2.5 The Bidder shall at his cost perform any services, tests etc, although not specified but required for the completion of work.</p> <p>2.6 During the course of execution of this work, certain rework/ modification/ rectification/ repairs / fabrication/dismantling/grouting etc. will be necessary because of feedback from customer for the work completed earlier. Contractor shall carryout such rework / modification/rectification/fabrication/repairs etc., promptly and expeditiously without any additional expense.</p> <p>2.7 All tools and tackles, fixtures, equipment, materials, manpower, supervisors/ engineers, consumables such as welding electrodes, welding receptacles etc. required for this scope</p>		
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<b>COPYRIGHT AND CONFIDENTIAL</b> 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.		of FDA work shall be provided by the Contractor. All expenditure in this connection shall be included in the main package price. No separate price for the same shall be offered.															
		2.8 The Bidder shall accept full responsibility for the completeness and for the faultless working of all the equipment and the FDA system as a whole.															
		2.9 Bidder to quote strictly as per BHEL's price format. Failure to do shall make their offer liable for rejection. Any tampering/modification/change of the BHEL's price format is not allowed and such bidders are liable for rejection of bidders offer.															
		2.10 The entire work of Erection, Testing and Commissioning of FDA system works as detailed elsewhere in the Tender Specification shall be completed within three months from the availability of fronts at site/clearance by BHEL.															
<b>3. PROJECT DESCRIPTION</b>		<table border="1"> <thead> <tr> <th>Sl. No.</th> <th colspan="2">Project Details</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Name of the Project</td> <td>1 X 100MW Namrup Combined Cycle Replacement Power Project ( Phase -1) –Namrup , Assam</td> </tr> <tr> <td>2.</td> <td>Customer</td> <td>Assam Power Generation Corporation Ltd, Guwahati, Assam</td> </tr> <tr> <td>3.</td> <td>Project Location</td> <td>Namrup , Assam</td> </tr> </tbody> </table>				Sl. No.	Project Details		1.	Name of the Project	1 X 100MW Namrup Combined Cycle Replacement Power Project ( Phase -1) –Namrup , Assam	2.	Customer	Assam Power Generation Corporation Ltd, Guwahati, Assam	3.	Project Location	Namrup , Assam
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<b>4. SCOPE OF BALANCE FIRE DETECTION &amp; ALARM SYSTEM WORKS:</b>		a. Supply of following materials for Fire Detection & Alarm System:															
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<b>COPYRIGHT AND CONFIDENTIAL</b> 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. The following erection and commissioning works to be taken-up for Fire Detection & Alarm System:																					
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 55%;">Item Description</th> <th style="width: 10%;">Unit</th> <th style="width: 10%;">Quantity</th> <th style="width: 20%;">Remarks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Erection, Installation, Programming, testing, commissioning of Beam Detectors mentioned in Cl.4.a</td> <td style="text-align: center;">Lot</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td>Travelling charges to Namrup Site</td> <td style="text-align: center;">Lot</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td>Boarding &amp; Lodging charges at Namrup site</td> <td style="text-align: center;">Lot</td> <td style="text-align: center;">1</td> <td></td> </tr> </tbody> </table>		S. No.	Item Description	Unit	Quantity	Remarks	1	Erection, Installation, Programming, testing, commissioning of Beam Detectors mentioned in Cl.4.a	Lot	1		2	Travelling charges to Namrup Site	Lot	1		3	Boarding & Lodging charges at Namrup site	Lot	1	
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4.1 Commissioning: Bidder to complete commissioning of Fire Detection & Alarm System. 4.2 All Erection hardware / support structure required shall be deemed to be included in Price quoted by bidder in their offer. 4.3 Inspection & Testing shall be as per Annexure-3. Quality checklist, BHEL QAP guidelines & Format and Inspection/TC review Format are attached.																							
<b>5. CLARITY OF SCOPE IN OTHER AREAS (SCOPE MATRIX):</b>																							
5.1. <b>Mechanical</b>																							
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<b>6. DEVIATIONS TO SPECIFICATIONS:</b>																							
6.1. <b>No deviation on the “scope of work furnished in cl. No. 4” is acceptable.</b> Bidders are advised to quote strictly as per BHEL’s specification requirements. Any deviation to the specification or omission of any part of scope by bidder is not permissible. In such cases, the quotation/ bid shall be liable for rejection. Otherwise bidder shall comply with specification without any additional price implications on the omitted scope/deviation to participate in the bid. Bidder to submit no deviation as per Annexure-06.																							
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		<b>7. PRICE BID FORMAT</b>																										
		7.1. Price bid format is enclosed as Annexure-1, bidder to furnish the offer in line with the same.																										
		7.2. Price bid evaluation criteria is indicated in the Price bid Format (Annexure-01).																										
		7.3. All the items included in the price bid format shall be quoted as per tender specification and pre-bid clarifications, if any. Responsibility of ensuring correctness & completeness of scope of supply as per specification requirement solely lies with bidder.																										
		7.4. Prices quoted by the bidder shall remain firm till the successful handing over of the Fire Protection plant to end customer. Any request for upward revision of price during any intermediate stage before handing over the plant to end customer will be summarily rejected by BHEL.																										
		7.5. Bidder to quote only base rates for all the items, Applicable taxes and duties shall be indicated separately.																										
		7.6. The Priced Bid shall be submitted in Original (without any copy) duly signed and stamped on each page in a separate sealed envelope super scribing "Price Bid –Do not Open". This shall not contain any condition whatsoever failing which the Bids shall be liable to be rejected. In case of any correction, the bidder shall put its signature and its stamp. Eraser fluid will not be allowed for making any correction.																										
		<b>8. LIST OF ANNEXURES:</b>																										
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	Rev. No.	Date	Revision Details	Revised By	Approved By
	00	02.11.22	ORIGINAL ISSUE	--SD--	---SD---
	Ref. Doc.				

**PRICE BID FORMAT FOR FDA****PROJECT- 1 X 100MW Namrup Combined Cycle Replacement Power Project ( Phase -1) –Namrup , Assam**

Sl. No.	Material Code	Description	Qty.	Unit	PRICE in INR ( Refer notes below)		Weightage
					Unit Price (INR)	Total Price (INR)	
		Fire Detection & Alarm System (FDA) as per BHEL Specification					
1.	PY9751893011	Supply of FDA Components	1	Lot			69.87%
2.	PY9751893020	Erection & Commissioning of FDA works	1	Lot			30.13%
		Grand Total					100.00%

Notes:


1. This document details the price schedule format for the enquiry. No other format will be entertained. Applicable taxes and duties shall be indicated separately in commercial offer.
2. Duly signed & stamped un-priced price schedule format shall be submitted by vendor in the technical offer as a token of concurrence that price schedule would be submitted in this format. Any tampering / modification / additions, etc. are NOT allowed and not considered binding and is liable for rejection of the offer.
3. Bidders shall be evaluated on overall L1 basis.
4. Bidders will be required to quote Total BASIC Price only (For Main items) in Price Bid Form in the e-procurement portal, considering all items as per this Price Format. Basic Prices of various line items shall be calculated by BHEL by multiplying the quoted Total Basic Price with the Weightages mentioned in this Price Format against the respective line items.


BIDDER'S SIGNATURE  
NAME:  
DATE  
COMPANY SEAL




**TECHNICAL DATA SHEET****BEAM DETECTOR**

1.0	<b>GENERAL PARTICULARS</b>	
1.1	Make	NOTIFIER
1.2	Model	FSB-200
1.3	Type	Optical
2.0	Approvals	
2.1	UL	Yes
2.2	FM	Yes
3.0	<b>TECHNICAL PARTICULARS</b>	
3.1	Sensing Element	Light emitting source.
3.2	No. of Chamber	Single
3.3	Sensitivity level	6 Levels
3.4	Operating Voltage	15-32 VDC
3.5	Alarm current	8.5 mA (LED on) at 24 VDC
3.6	Ambient condition	
	➤ Temperature range	-30°C to 55°C
	➤ Humidity range	10% - 93%, non-condensing
3.7	Catalogue Enclosed	Yes

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<b>COPYRIGHT AND CONFIDENTIAL</b>  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.	<div>QAP GUIDELINES &amp; FORMAT</div> <div>(ANNEXURE-4 TO SPECIFICATION)</div> <p>The QAP format and Guidelines for filling up the format shall be used by vendor for preparation and submission of QAP after order placement.</p>		

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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.		<p style="text-align: center;"><b><u>GUIDELINES TO VENDORS FOR PREPARATION OF QUALITY ASSURANCE PLAN</u></b></p> <ol style="list-style-type: none"> <li>1. QAP shall be made in landscape mode on A4 size paper as per the format enclosed. Font size shall be minimum 10.</li> <li>2. Each page of QAP shall contain the following information.           <ol style="list-style-type: none"> <li>a) Vendor's name &amp; address.</li> <li>b) Customer: BHEL, Hyderabad.</li> <li>c) Project.</li> <li>d) BHEL Product Standard Number/revision number as referred in P.O.</li> <li>e) BHEL Purchase Order Number &amp; Date.</li> <li>f) Product as per P.O. description.</li> <li>g) QAP Number (unique and shall not repeat)/revision number/date.</li> <li>h) Page number and number of pages</li> </ol> </li> <li>3. QAP shall contain four parts / stages as follows.           <ol style="list-style-type: none"> <li>a) Raw materials and bought out items.</li> <li>b) In process Control / Inspection.</li> <li>c) Final assembly, Inspection &amp; Testing.</li> <li>d) Painting, preservation &amp; packing.</li> </ol> </li> <li>4. Under 'Component', indicate name of the component (say casing, rotor, pressure gauge, etc).</li> <li>5. Under 'Characteristics', indicate appropriately (say chemical analysis, mechanical properties, NDT (UT,DP etc.), hydrostatic test, calibration check etc.)</li> <li>6. Under 'Class', indicate minor, major or critical depending on the importance of characteristic.</li> <li>7. Under 'Type of check', indicate appropriately (say chemical, mechanical, UT, DP etc.)</li> <li>8. Under 'Quantum of check', indicate appropriately (say 100%, 10%, sample, per melt, per heat, all pieces etc.)</li> <li>9. Under 'Reference document' and 'Acceptance norms', appropriate National &amp; 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 &amp; approval by our Engineering dept.</li> <li>10. Under 'Format of record', indicate appropriately supplier's test certificate, calibration certificate, lab report, inspection report etc.</li> </ol>	
	Ref. Doc		

Form No.	 HYDERABAD	<div style="text-align: center;"> <b>PRODUCT STANDARD</b>  PROJECT ENGINEERING &amp; SYSTEMS DIVISION  HYDERABAD </div>	ANNEXURE- 3 Rev No. 00 Page 3 of 3
<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>COPYRIGHT AND CONFIDENTIAL</b>  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. </div>		<p>11. 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)  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.</p> <p>12. Under 'D' please put ( <input type="checkbox"/> Tick) against each characteristic where vendor proposes to  submit test certificate/report etc. OR as required as per BHEL Specification.</p> <p>13. Vendor's signature &amp; stamp should be available on each page of QAP.</p> <p>14. Vendor should read the BHEL Product Standard thoroughly and QAP should be made  only inline and relevant to the Specification &amp; Approved Drawings.</p> <p>15.The following operations/characteristics/check points may be included (AS  APPROPRIATE)</p> <ol style="list-style-type: none"> <li>a) Visual check</li> <li>b) Dimensional check</li> <li>c) Mechanical and Chemical properties.</li> <li>d) Surface preparation before painting (by chemical cleaning, sand blasting, shot blasting  etc. as the case may be.)</li> <li>e) Painting check for shade, Dry Film Thickness (DFT), Adhesion/ peel off test etc.</li> <li>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.</li> <li>g) Verification of test certificate for protection class for the enclosures.</li> <li>h) Mechanical functioning of switches.</li> <li>i) Continuity of earthing and provision of earth points.</li> <li>j) Colour coding of wiring, size, tightness &amp; dressing of wiring.</li> <li>k) Review of test certificates of assembled items, raw materials, internal test reports etc.</li> <li>l) Witness of functional checks, which may include mechanical run &amp; electrical run,  H.V.test, IR measurement, Electrical and Mechanical tests etc.</li> <li>m) PQR, WPS, Welder Qualification Record, welding records (fit up, DP) etc.</li> <li>n) Material identification ( for punch marks of serial numbers, Heat No, Melt No,  Inspector's stamp etc.)</li> <li>o) Hydraulic Pressure Test, Pneumatic Pressure Test, Liquid Penetration Examination and  other Non Destructive Tests.</li> <li>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)</li> <li>q) All tests as per BHEL Product Standard &amp; approved drawings including Type tests and  Routine tests on individual items and on System as a whole.</li> <li>r) Packing and Preservation.</li> </ol>	
	Ref. Doc		<p>16. <b><u>QAP Format enclosed.</u></b></p>

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

**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

# ANNEXURE-4


## BILL OF MATERIALS

(SUB-VENDOR PACKAGES)

(NOTE: ASSEMBLED UNITS AND ALL LOOSE DESPATCHABLE ITEMS IDENTIFIED IN THIS BOM)

<b>System Name</b>		<b>Supplier:</b>	<b>Project:</b>			<b>Supplier Doc. No.</b>		
			<b>Supplied Job No.</b>	<b>BHEL P.O.No.</b>	<b>Rev. No.</b>		<b>sh.</b>	<b>of</b>
				Date		Date	<b>1</b>	
Item Despatch Tag-No.	Ref. Drg. No.	Item No.	Item Description	Qty. (Nos./mts)	Wt (Kg)	Despatch Details		Remarks
						Packing box	LR No.	Date
	Rev.	Rev.	Prepared By:		Approved By:		<b>Supplier Doc. No.:</b>	
					(xxx)			
			Sign :		Sign :			
			Date :		Date :			

## ANNEXURE-5

TD-106-2	Rev.No. 5 Form No.		<b>PROJECT ENGINEERING &amp; SYSTEMS DIVISION</b> <b>BHEL, HYDERABAD –32.</b>	PESD/HYD-776
				Rev No.: <b>00</b>
				Page 1 of 1

<p style="text-align: center;"><b>COPYRIGHT AND CONFIDENTIAL</b></p> <p>The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED .</p> <p>It must not be used directly or indirectly in any way detrimental to the interest of the company.</p>		<p style="text-align: center;"><u>PRE-BID QUERRIES FROM SPECIFICATION</u></p> <p>If the proposal submitted has got any Queries from the technical stipulations in the bidding document, the Bidder shall tabulate below the full particulars of such Queries and shall sign below. Additional sheets may be enclosed, if necessary. Queries are to be furnished with mention of specific clause numbers. Technical and commercial Queries to scope of supply and services shall be indicated separately.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 15%;">SL.No.</th><th style="width: 20%;">Clause No.</th><th style="width: 40%;">Description as per specification</th><th style="width: 25%;">Queries by Bidder</th></tr> </thead> <tbody> <tr> <td style="height: 200px;"></td><td></td><td></td><td></td></tr> </tbody> </table> <p>We confirm that all the Pre-Bid Queries to the Technical Specification, Job Specification and enclosures including reference documents attached are listed in this Annexure only. No other Pre-Bid Queries even if mentioned elsewhere shall be considered for any technical/ commercial evaluation or for ordering.</p> <p>Bidder's Signature.....</p> <p>Date:.....</p>	SL.No.	Clause No.	Description as per specification	Queries by Bidder				
SL.No.	Clause No.	Description as per specification	Queries by Bidder							

ANNEXURE - 6						
LIST OF DEVIATIONS						
Project: FDA SYSTEM FOR 1 x 100 MW AGPCL NAMRUP, ASSAM						
Sl. No.	Part No./ Volume	Page no.	Clause No.	Subject	Deviation/Clarification	Reason for Deviation
1						
2						
3						
4						
5						
6						

**NOTES:**

1. Deviations, if any, shall be clearly brought out only in this format. Deviations mentioned / taken elsewhere or in any other format will be ignored.
2. Additional sheets in the same format can be attached by the vendor, if necessary.
3. Nature of Deviations shall only be of Design / Manufacturing constraints and non-availability of items / components / makes in market.
4. 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.
5. Reasons for the deviations shall be specified in the Remarks column.
6. If there are no deviations from the specifications, bidder still has to submit the signed copy of this format by writing "NO Deviations" on this format.
7. 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



**ANNEXURE - 7****CHECK LIST FOR OFFER SUBMISSION**

<b>SL No</b>	<b>Description</b>	<b>Bidder's Confirmation</b>
1	Bidder to confirm to the scope of supply and scope of services as per BHEL spec: PY51893, Rev-00	
2	Bidder to submit the No Deviation letter w.r.t. BHEL spec: PY51893, Rev-00 along with offer.	
3	For addition/reduction of quantity, unit rate quoted in the present offer shall be considered during ordering and shall be valid up to execution of the contract to the extent of (-)10% to (+) 10% of order Value.	
4	In case of deviation, vendor to confirm that these are technically not feasible deviations and same are submitted in BHEL format.  In case technically feasible deviations are proposed by the bidder and subsequently withdrawn, no commercial implications can be claimed by the bidder	
5	It shall be bidder's responsibility to get all his queries and deviations addressed by the purchaser during the pre-bid stage itself. No queries / deviations shall be accepted by purchaser from the bidder after the closure of pre-bid.	
6	Bidder to agree that Bill of materials / list of equipment furnished in the offer is only for information; Vendor shall supply all the material to meet the performance, sizing & technical requirement as per specification & its Annexures, scope matrix etc.	
7	Confirm that the quote includes training, commissioning spares, special tool & tackles, mounting hardware/ accessories, terminations, etc. as required for commissioning activities.	
8	All the equipments / items supplied by bidder are having valid statutory approval certificates and same will be produced at any stage of contract execution to BHEL. The same were eligible to take local statutory regulatory body approval during commissioning of the system	

BIDDER'S SIGNATURE:

NAME:

DATE:

COMPANY SEAL: