



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)  
Tiruchirappalli-620 014, Tamil Nadu, India  
Dept: MATERIALS MANAGEMENT/BOI

### Annexure – A- Additional Terms and Conditions for GeM Enquiry

The terms and condition mentioned in this document are applicable in addition to the GeM General Terms and Conditions. Bidders shall furnish pointwise confirmation/details.

<b>Description of the Item:</b>		Electric Rotary Actuator
<b>Project</b>		Sagardighi -1731
<b>GeM Tender No. &amp; Date</b>		GEM/2023/B/3178006
<b>Name of the firm (Bidder)</b>		:
<b>Address</b>		:
<b>Contact details</b>		<b><u>Contact person 1</u></b> <b>Name:</b> <b>Designation:</b> <b>Office Phone:</b> <b>Mobile:</b> <b>e-mail:</b> <b><u>Contact person 2</u></b> <b>Name:</b> <b>Designation:</b> <b>Office Phone:</b> <b>Mobile:</b> <b>e-mail:</b>
<i>To be filled by bidder</i>		
Sl. No.	Terms and conditions	Vendor's confirmation
1 (a)	<b>Technical:</b> Bidder shall comply the specification requirements as per respective catalogues along with the offer. Any clarifications/deviations to the specification requirements are to be clearly indicated in no deviation format. Hidden deviations indicated elsewhere in the offer will not be evaluated.  Applicable Technical specifications:  GF-331/Rev 03, TCI 318/Rev 01  Vendor Quality plan is applicable  <b>No deviation format to be submitted along with your offer.</b>	
1 (b)	<b>Pre-qualification requirement:</b> Offer shall be considered only if bidder is meeting Tender Prequalification requirement. Vendor to comply with Pre-Qualification requirement of the tender and submit along with their technical bid - the credentials and other documents as indicated in the PQR in the format prescribed. Otherwise their offer will get rejected.	
1 (c)	<b>Customer approval</b> Vendor offers will be considered for price bid opening subject to fulfilment of techno commercial suitability and vendor approval by end customer before price bid opening.	


	Vendor firms not approved by end customer shall submit supporting documents/Credentials for taking up with end customer for their approval.	
1 (d)	Inspection by BHEL APPROVED TPI	
2	<b>Firm Price:</b> The quoted / finalised rates shall be Firm till execution of the supplies. Offer with PVC clause will not be considered.	
3	<b>Delivery term:</b> FOR BHEL Trichy Transit Insurance is under BHEL scope.	
4 (a)	<b>Guarantee / Warranty Period:</b> 18 months from the date of supply or 12 months from the date of actual put in use, whichever is earlier. No Deviation is permitted. If still vendor offered any deviation on the Guarantee / warranty period, it may lead to rejection of offer.	
4 (b)	<b>Repair &amp; replacements:</b> Within the guarantee period vendor has to replace / rectify the defective/ damaged items on free of cost within a reasonable time of reporting from our end.	
5 (a)	<b>Kindly Indicate the HSN Code for all items</b>	
5(b)	<b><u>Rate quoted in GeM portal should be on FOR destination basis inclusive of all taxes, P &amp; F and freight etc. Transit Insurance is under BHEL scope.</u></b>  <b>Please indicate the applicable GST %, P &amp; F and freight cost in %, which is included in your quoted rate in GeM portal</b>	
6 (a)	<b>Delivery Period: 120 days from PO</b>  Material shall be dispatched after obtaining dispatch clearance from BHEL.	
6 (b)	<b>Document Submission:</b> In case of PO placements, required documents have to be submitted for approval within 15 days from the date of PO & reply for any further clarification has to be within 5 days. Any delay beyond the above specified period will be considered during LD calculation.	
7	<b>Liquidated damages:</b> <b><u>As per GeM Standard Terms &amp; conditions</u></b> 0.5% of undelivered value per week limited to maximum of 10% of undelivered PO value(PU)	
8	<b>Evaluation Method</b> Total tender quantity will be evaluated as Package-wise	
9	<b>Payment Term</b> For Non-MSE -100% direct EFT payment within 90 days from the date of CRAC. For MSE suppliers, payment shall be within 45 days from the date of CRAC. For Medium Enterprises payment shall be within 60 days from the date of CRAC of CRAC. If still vendor offered any deviation on Payment terms, it may lead to rejection of offer.	
11	Invoice date/Bill of Lading date/Airway Bill date/Lorry way bill date/Railway Receipt date/e-Way Bill date, whichever is later will be considered for LD calculation.	
12	Documents are to be submitted along with technical bid (Part-1)	

	01. Covering letter 02. Unpriced offer. 03. Filled technical specification and BHEL datasheets. 04. Filled BHEL Terms and condition sheet (Annexure-A) 05. Filled Annexure- PQR along with supporting documents. 06. Catalogue's 07. MSE Certificates (if applicable) <b>Note:</b> All the pages of documents are to be signed and sealed by authorized signatory of the company. Any query during enquiry stage shall be replied within three days failing which offer may be rejected as non-responsive.	
13	Supplier shall mention their GSTN registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.	
14	All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code). Mention % & HSN code	GST _____%
15	Invoices will be processed only upon completion of statutory requirement and further subject to following: <ul style="list-style-type: none"> <li>• Vendor declaring such invoice in Form GST ANX-1</li> <li>• Receipt of Goods or Services and Tax invoice by BHEL</li> </ul>	
16	As the continuous uploading of tax invoices in GSTN portal (in GST ANX-1) is available for all (i.e. both Small & Large) tax payers under proposed new GST Return System, all invoices raised on BHEL may be uploaded immediately in GST portal on despatch of material /rendering of services. The supplier shall ensure availability of Invoice in GST portal before submission of invoice to BHEL. Invoices will be admitted by BHEL only if the invoices are available in GSTN portal (in BHEL's GST ANX-2).	
17	In case of discrepancy in the data uploaded by the supplier in the GSTN portal or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note or debit note (details also to be uploaded in GSTN portal) for the shortages or rejections in the supplies or additional claims, within the calendar month informed by BHEL.	
18	In cases where invoice details have been uploaded by the vendor but failed to remit the GST amount to GST Department (Form PMT-08 or Form GST RET-01 to be submitted) within stipulated time, then GST paid on the invoices pertaining to the month for which GST return not filed by the vendor will be recovered from the vendor along with the applicable interest (currently 24% p.a) and all subsequent bills of the vendor will not be processed till filing of the GST return by the vendor	
19	In case GST credit is denied to BHEL due to non-receipt or delayed receipt of goods and/ or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount claimed in the invoice shall be disallowed to the vendor.	

20	Where any GST liability arising on BHEL under Reverse Charge (RCM), the vendor has to submit the invoices to BHEL well within the timeline prescribed in GST Law, to enable BHEL to discharge the GST liability. If there is a delay in submission of invoice by the vendor resulting in delayed payment of GST by BHEL along with Interest, then such Interest payable or paid shall be recovered from the vendor.	
21	Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contracts. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Tax Invoice will be issued by BHEL indicating the respective supply invoice number.	
22	GST TDS will be deducted as per Section 51 of CGST Act 2017 and in line with Notification 50/2018 – Central Tax dated 13.09.2018. GST TDS certificate which will be generated in GST portal subsequent to vendor accepting the TDS deduction in the GST portal, will be issued to the vendor.	
23	A declaration to the effect that all invoice particulars are/were uploaded in the GSTN network/ portal & all tax liability as per GST rules and regulations have been and will be discharged, shall be mentioned in the invoice. If not mentioned in the invoice, a separate declaration shall be submitted as per the requirement of BHEL	
24	<b>MSE VENDOR:</b> <i>Udyam Registration certificate shall be submitted by MSE vendors for availing the benefits.</i>	
25	<b><u>Fraud Prevention Policy</u></b> Bidder along with its associate /collaborators /sub-contractors /sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <a href="http://www.bhel.com">http://www.bhel.com</a> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.	
26	O&M MANUAL IN SOFT FORM SHALL BE FURNISHED ON PLACEMENT OF ORDER AND 2 SETS OF HARDCOPIES TO BE SENT ALONG WITH ITEM.	
27	<b><u>Risk Purchase clause</u></b> a. In the event of any successful Tenderer's failure to fulfil any of the tender / Contract obligations including supply of whole or any part of the ordered items as per Contract / Agreement, BHEL has the right to terminate the contract and purchase from elsewhere, at the risk and cost of the defaulted supplier, either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated in the contract or if the same were not available, the best and nearest available substitute thereof. The supplier shall be liable for the additional expenditure/difference in Cost, if any, including consequential losses which BHEL may sustain by reason of risk purchase in addition to the applicable LD as per the Purchase order/contract. b) The decision of BHEL with regard to the additional expenditure / difference in cost and consequential losses incurred by BHEL shall be final and binding on the supplier. c) The amount recoverable under risk purchase shall be recovered from the defaulted supplier in all or any of the following manners: i. from dues available in the form of Bills payable to defaulted supplier, SD, BGs against the same contract. ii. from the dues payable to defaulted supplier against other	

	<p>contracts in the same Region/Unit /any other region/unit</p> <p>iii. In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier.</p>	
28	<p><b><u>GST on amount recoverable from vendor under Risk Purchase Clause:</u></b></p> <p>In accordance with Sec. 7 of CGST Act, 2017, read with clause 5(e) of Schedule II to CGST Act, 2017, amount recovered / recoverable by BHEL from vendor / contractor for non-performance of work as per contract shall be treated as “Supply of service” by BHEL and accordingly GST shall be applicable.</p> <p>GST shall be applicable on amount being recovered / recoverable from such vendor / contractor. In case only the differential cost is being recovered from new vendor / contractor, GST shall be applicable on same.</p> <p>As per Sec. 13, read with Sec. 31 of CGST Act, 2017, GST shall be applicable when such recovery against non-performance of work has been determined and accordingly accounted for in Books of Accounts.</p>	
29	<p><b><u>NIT clause for Suspension of Business Dealings with Suppliers/ Contractors</u></b></p> <p>Suppliers who are involving in fraudulent practices or delayed supply or Non-Supply will be dealt with provisions as indicated in “Guidelines for Suspension of Business Dealings with Suppliers/ Contractors “which is hosted on BHEL web site <a href="http://www.bhel.com">www.bhel.com</a>.</p> <p>The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site <a href="http://www.bhel.com">www.bhel.com</a>.</p> <p>1.0 Integrity commitment, performance of the contract and punitive action thereof:</p> <p>1.1. Commitment by BHEL:</p> <p>BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.</p> <p>1.2. Commitment by Bidder/ Supplier/ Contractor:</p> <p>1.2.1. The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.</p> <p>1.2.2. The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.</p> <p>1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms &amp; conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.</p> <p>If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company</p>	

	available on www. bhel.com and/or under applicable legal provisions”.
<b>Note</b>	<ol style="list-style-type: none"><li>1. In the event of our customer order covering this tender being cancelled /placed on hold / otherwise modified, BHEL would be constrained to accordingly cancel / hold / modify the tender at any stage of execution.</li><li>2. BHEL may negotiate the L1 rate, if not meeting our budget / estimated cost. BHEL may re-float the tender opened, if L1 price is not acceptable to BHEL.</li><li>3. BHEL reserves its right to reject an offer due to unsatisfactory past performance by the respective Vendor in the execution of any contract to any BHEL project / Unit.</li><li>4. <b>Any other Techno – Commercial Terms indicated by the vendor in their offer elsewhere will be ignored. BHEL will proceed with tender evaluation as per Annexure-A and GeM general terms and conditions only.</b></li></ol>

		<b>PURCHASE / MM / BOI</b> <b>Annexure- D ENQUIRY DEVIATION</b>					
429-024						PAGE	1 OF 1
<b>SCHEDULE OF DEVIATION TO BOI ENQUIRY NO:</b>			GEM/2023/B/3178006			<b>DATE</b>	<b>24.02.23</b>
<b>DESCRIPTION</b>			Electric Rotary Actuator				
<b>SPECIFICATION</b>							
<b>DRAWING NO</b>							
<b>QUALITY PLAN</b>			<b>VQP</b>				
<b>PACKING PROCEDURE</b>							
<b>DOCUMENT REFERENCE</b>			<b>BHEL CALLED FOR</b>		<b>FIRM'S ALTERNATIVE OFFER</b>		
<p><b>PQR is applicable for the present tender and please confirm for the PQR requirements as attached along with tender.</b></p> <p><b>Supply should be as per GF-331/Rev 03, TCI 318/Rev 01</b></p>							
<b>SPECIFICATIONS AND REQUIREMENTS IN FULL TO YOUR ENQUIRY.</b>							
<b>STATION:</b>							
<b>DATE:</b>			<b>SIGNATURE OF FIRM'S REPRESENTATIVE</b>			<b>FIRM SEAL</b>	
NOTE 1. Deviations should be taken only in the extreme case.							
2. If necessary, use additional sheets with page control number.							

## **Technical Pre-Qualification Requirement for**

### **Torque limiting electric rotary actuator**

1. The vendor shall be an established Electric rotary actuator having adequate Design, Engineering, Manufacturing, inspection and testing facilities and shall furnish technical backup documents for the proof of above requirements.
2. The Electric rotary actuator offered shall be from the existing regular manufacturing range of the supplier. Vendor shall provide the manufacturing catalogue or general reference list for the offered actuator along with offer.
3. The supplier shall have experience of having supplied Electric rotary actuator and its accessories for dusty environment of coal based power plants or for the application of similar severity as specified in the enquiry. Supplier shall submit documents in proof of the same.
4. Proven track record is required. Minimum one end user certificate for the satisfactory operational performance of their supplied Electric rotary actuator as per enquiry in similar ambient conditions is required as a proof.  
(or)  
successfully executed two POs for same item meeting requirements specified in enquiry specification. Vendor to submit the corresponding datasheets / drawings / technical documents of supplied item as per POs / end user certificate.
5. In case of ordering, the vendor shall have the responsibility for the followings and same to be confirmed point wise.
  - i) Vendor should have the component replacement responsibility in case of defect / failure.
  - ii) Vendor shall have capability to provide assistance in commissioning activities at site, if required.
  - iii) Vendor should ensure the product performance during erection & commissioning.
6. Backup document checklist to meet PQR to the fullest satisfaction of BHEL:

S. No	Document description	Check list
1	Documents to meet Clause(1)	<input type="checkbox"/>
2	Product Catalogues to meet clause(2)	<input type="checkbox"/>
3	Supply reference document to meet clause (3) (PO /Inspection Reports/supply reference list)	<input type="checkbox"/>
4	Min. one end user certificate (or) Two POs to meet clause (4)	<input type="checkbox"/>
5	Confirmation to clause (5)	<input type="checkbox"/>

**Vendor's Sign & Seal**



**On Bidder's office letter pad /**  
**Self-Declaration**

<b>GeM Enquiry No.</b>	<b><u>GEM/2023/B/3178006</u></b>
<b>Enquiry Date</b>	

In line with Government public procurement order Number P-45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018,

I / We hereby declare that I / We are a “Local Supplier” meeting the requirement of minimum local content (.....%) defined in the above government notification for the goods against above mentioned enquiry Number.

Details of location at which local value addition will be made is as follows:

Door No.	
Street / Address 1	
Street / Address 2	
District	
State	
Country	
PIN Code	

We also understand that the false declarations will be considered as breach of Integrity and liable for action.

For Company Name:

Seal:

Signature:

Date:

Place:

(Please fill all the yellow colour field)

## Item Details

<b>CUST</b>	<b>BHEL Material Code</b>	<b>Description</b>	<b>PRQTY</b>
1731	A173116727201001	ELECTRIC ROTARY ACTUATOR	8.000
1731	L1731S6799701001	COMPLETE ELECTRICAL ROTARY ACTUATOR	2.000
1731	L1731S6799701002	POWER UNIT FOR MODULATING ACTUATOR	4.000
1731	L1731S6799701003	ELECTRONIC CARDS	4.000
1731	L1731S6799701004	POSITION FEED BACK TRANSMITTERS	4.000
1731	L1731S6799701005	CONTROL UNIT	4.000
1731	L1731S6799701006	LIMIT SWITCH ASSEMBLY	2.000
1731	L1731S6799701007	TORQUE SWITCH ASSSEMBLY	2.000
1731	L1731S6799701008	POWER CONTACTOR	5.000
1731	L1731S6799701009	AUXILIARY CONTACTOR	5.000
1731	L1731S6799701010	THERMAL OVER LOAD RELAY	2.000
1731	L1731S6799701011	MOTOR	1.000
1731	L1731S6799701012	COMPLETE SEAL KIT	2.000
1731	L1731S6799701013	COMPLETE O-RING SET	2.000
			<b>47.000</b>

<b>BHEL Material Code</b>	<b>Description</b>	<b>TEXT</b>
<b>A173116727201001</b>	<b>ELECTRIC ROTARY ACTUATOR</b>	<p><b>TORQUE LIMITING TYPE ELECTRIC ROTARY ACUATOR WITH INTEGRAL STARTER FOR BUNKER OUTLET GATE AS PER SPEC. NO.GF-331 REV.03, TCI:318/REV.01 AND ALL TECHNICAL ENCLOSURES AS MENTIONED BELOW:</b></p> <p><b>ENCLOSURES:</b></p> <ol style="list-style-type: none"> <li>1. SPEC. NO. GF-331 REV.03</li> <li>2. SPEC.NO. TCI:318/REV01</li> <li>3. E,C&amp;I INPUT FOR ELECTRICAL ACTUATOR-CI:SAGARDIGHI:ECI:EA, Rev. 00</li> </ol>
<b>L1731S6799701001</b>	<b>COMPLETE ELECTRICAL ROTARY ACTUATOR</b>	<p><b>COMPLETE ELECTRICAL ROTARY ACTUATOR FOR BUNKER OUTLET GATE AS PER SPEC.NO GF-331 REV03, TCI:318 REV:01, E,C&amp;I INPUT- CI: SAGARDIGHI:ECI:EA REV00 AND ALL TECHNICAL SPEC. ENCLOSURES. THE ELECTRICAL ROTARY ACTUATOR SHALL BE ONE TO ONE REPLACEABLE WITH THE MAIN SUPPLY IN PGMA 67-272;Ch.#01, VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701002</b>	<b>POWER UNIT FOR MODULATING ACTUATOR</b>	<p><b>POWER UNIT FOR MODULATING ACTUATOR SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701003</b>	<b>ELECTRONIC CARDS</b>	<p><b>ELECTRONIC CARDS SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701004</b>	<b>POSITION FEED BACK TRANSMITTERS</b>	<p><b>POSITION FEED BACK TRANSMITTERS SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701005</b>	<b>CONTROL UNIT</b>	<p><b>CONTROL UNIT SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701006</b>	<b>LIMIT SWITCH ASSEMBLY</b>	<p><b>LIMIT SWITCH ASSEMBLY SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701007</b>	<b>TORQUE SWITCH ASSEMBLY</b>	<p><b>TORQUE SWITCH ASSEMBLY SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b></p>
<b>L1731S6799701008</b>	<b>POWER CONTACTOR</b>	<p><b>POWER CONTACTOR SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF</b></p>

		<b>ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b>
<b>L1731S6799701009</b>	<b>AUXILIARY CONTACTOR</b>	<b>AUXILIARY CONTACTOR SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b>
<b>L1731S6799701010</b>	<b>THERMAL OVER LOAD RELAY</b>	<b>THERMAL OVER LOAD RELAY SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b>
<b>L1731S6799701011</b>	<b>MOTOR</b>	<b>MOTOR SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b>
<b>L1731S6799701012</b>	<b>COMPLETE SEAL KIT</b>	<b>COMPLETE SEAL KIT SET APPLICABLE SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b>
<b>L1731S6799701013</b>	<b>COMPLETE O-RING SET</b>	<b>COMPLETE O-RING SET SHALL BE ONE TO ONE REPLACEABLE WITH THE COMPONENTS OF ELECTRICAL ROTARY ACTUATOR INDENTED IN PGMA 67-272;CL#01 VIDE MATERIAL CODE:A173116727201001.</b>

## Painting Schedule

Sl. No.	PGMA / Description	Surface Preparation & Surface Profile	Primer coat		Intermediate Coat		Finish coat			Total DFT $\mu\text{m}$ (min)
			Paint	No. of coats	Paint	No. of coats	Paint	No. of coats	Shade	
8 PSIA	<p>Miscellaneous components 04-147; 07- 409,431,460,461,462,509; 12-906;17-919;21-604,606; 24-351,354,804, 24-817,825,835,841;30-233,234; 36-740; 39-302; 45-806;</p> <p>Fuel firing: 41-350,390,500; Steam blowing piping 42-001,002,005,046,152,157; 43-004,104, 200; 45-200,801, 858; 47- 261,263, 858;</p> <p>Duct plates, expansion joints: 48-911,912;</p> <p>\$ Handling Equipments: 99-099,100,300,400,502,512;</p> <p>Coal Feeding 65-736; 67-204,272,277,283,801,802,803; 95-088, 091,485; 96-186;97-585,591,592; Seal air ducting: 43-005,105; Cold Air duct: 48-141; #SCR system: SS-611,621,997,998; SR-050,100,121,128,151,158,171,178,181,188,251, SR-258,281,288,301,308, 400,490,511,518,580;</p>	SSPC-SP3/ Power Tool Cleaning	Red Oxide Zinc Phosphate Primer (Alkyd Base) to IS 12744 DFT= 30 $\mu\text{m}$ per coat	1	--	--	Synthetic Enamel paint (Long Oil Alkyd) to IS 2932 DFT= 20 $\mu\text{m}$ per coat	2	Smoke Grey Shade No: 692 of ISS	70

\$ - Final Shade is Golden yellow for Under hung crane, Chain Pulley Block, Ratchet Lever and Trolley with hoist. Black shade for Hook.

# - Final Shade is Grey white (RAL 9002).