

Bharat Heavy Electricals Limited
High Pressure Boiler Plant
Tiruchirappalli – 620014, TAMIL NADU, INDIA
MATERIALS MANAGEMENT

TITLE CORRIGENDUM GEM/2022/B/2363033	Phone: +91 431 2577446 Email : mohann@bhel.in
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Reference Number: Enquiry: GEM/2022/B/2363033	Enquiry Date: 19.07.2022	Due date for submission of quotation: 29.07.2022
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order		

Details of Corrigendum			
In scope of supply of Spares For DC Motor Starter Box Yadadri Project As Per Scope Of Supply (1 set), the item text from Sl.no. 140 to 220 has been revised, no changes in material code and quantity.			
Sl.No	Matl Code	Item	Qty
140	L1823S9619301014	POWER FUSE	6
150	L1823S9619301015	CONTROL FUSE	10
160	L1823S9619301016	THERMAL OVERLOAD RELAY	2
170	L1823S9619301017	AMMETER	2
180	L1823S9619301018	SWITCH FUSE UNIT	10
190	L1823S9619301019	POWER TERMINAL BLOCK	2
200	L1823S9619301020	CONTROL TERMINAL BLOCK	7
210	L1823S9619301021	END PLATES	50
220	L1823S9619301022	MUSHROOM TYPE PUSH BUTTON	4
The due date for submission of offers remains same.			
All other terms and conditions as published in the Tender GEM/2022/B/2363033 remains unaltered.			

Tenders should reach us before 19:00 hours on the due date 29.07.2022 Technical bid will be opened after 19:30 hours on the due date 29.07.2022	Yours faithfully, For Bharat Heavy Electricals Limited Kevin Ark Kumar Manager/MM/BOI
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SCOPE OF SUPPLY

DC motor starter box and spares

S.No	Matl Code	Item	Qty
Project site - Main supply			
10	L182319619301001	Unit 1-SCANNER AIRFAN DC MOT.START. BOX	1
20	L182319619301001	Unit 2-SCANNER AIRFAN DC MOT.START. BOX	1
30	L182319619301001	Unit 3-SCANNER AIRFAN DC MOT.START. BOX	1
40	L182319619301001	Unit 4-SCANNER AIRFAN DC MOT.START. BOX	1
50	L182319619301001	Unit 5-SCANNER AIRFAN DC MOT.START. BOX	1
BHEL Trichy stores – Spares supply (GEM / 2022/ B/ 2363033 dt. 19.07.2022)			
10	L1823S9619301001	DC POWER CONTACTOR COMPLETE ASSY. 2 POLE	2
20	L1823S9619301002	DC POWER CONTACTOR COMPLETE ASSY. 1 POLE	2
30	L1823S9619301003	POWER CONTACT SPARE KIT - 2 POLE	4
40	L1823S9619301004	POWER CONTACT SPARE KIT - 1 POLE	4
50	L1823S9619301005	COIL FOR POWER CONTACTOR - 2 POLE	4
60	L1823S9619301006	COIL FOR POWER CONTACTOR - 1 POLE	4
70	L1823S9619301007	CONTROL CONTACTOR COMPLETE ASSEMBLY	10
80	L1823S9619301008	COIL FOR CONTROL CONTACTOR	10
90	L1823S9619301009	ON/OFF DELAY TIMER	2
100	L1823S9619301010	INDICATING LAMPS COMPLETE ASSY. - RED	6
110	L1823S9619301011	INDICATING LAMPS COMPLETE ASSY. - AMBER	6
120	L1823S9619301012	INDICATING LAMPS COMPLETE ASSY. - GREEN	6
130	L1823S9619301013	PUSH BUTTONS COMPLETE ASSEMBLY	4
140	L1823S9619301014	POWER FUSE	6
150	L1823S9619301015	CONTROL FUSE	10
160	L1823S9619301016	THERMAL OVERLOAD RELAY	2
170	L1823S9619301017	AMMETER	2
180	L1823S9619301018	SWITCH FUSE UNIT	10
190	L1823S9619301019	POWER TERMINAL BLOCK	2
200	L1823S9619301020	CONTROL TERMINAL BLOCK	7
210	L1823S9619301021	END PLATES	50
220	L1823S9619301022	MUSHROOM TYPE PUSH BUTTON	4

TECHNICAL CATALOGUE

Material Code	L182319619301001
Item Description	9619301-SCANNER AIRFAN DC MOT.START. BOX
Detailed Description	<p>Scanner Air Fan DC motor starter box suitable for the DC motor of rating 220V DC, 9.3 KW as per the technical specification of the DC Starter box Ref. TCI:248, Rev. 07, as per the control scheme Drawing Nos. : 3-96-193-15815 to 3-96-193-15818, Rev.00 and as per the project specific annexure, CI: DCSB: YADADRI.</p> <p>Note :-</p> <p>1) Applicable Quality Plan : CI:QA:1823:CQP:13, Rev. 01</p> <p>2) Applicable Packing procedure : QA:CI:STD:PR:02, Rev. 02.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301001
Item Description	DC POWER CONTACTOR COMPLETE ASSY. 2 POLE Quantity- 2 numbers
Detailed Description	<p>220 V DC coil, 2 pole power contactor of current rating 85 A shall be provided.</p> <p>Features</p> <p>a) Mill duty/Bar type, suitable for DC3application.</p> <p>b) DC coils shall be provided with free-wheeling diodes of suitable rating.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing :</p> <p>Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301002
Item Description	DC POWER CONTACTOR COMPLETE ASSY. 1 POLE Quantity- 2 numbers
Detailed Description	<p>220 V DC coil, 1 pole power contactor of current rating 85 A shall be provided.</p> <p>Features</p> <p>a) Mill duty/Bar type, suitable for DC3application.</p> <p>b) DC coils shall be provided with free-wheeling diodes of suitable rating.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing :</p> <p>Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure :</p> <p>QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301003
Item Description	POWER CONTACT SPARE KIT - 2 POLE Quantity- 4 numbers
Detailed Description	<p>Power Contactor Spare kit suitable for 220 V DC coil, 2 pole power contactor of current rating 85 A (referred in Sl. NO. 01) shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301004
Item Description	POWER CONTACT SPARE KIT - 1 POLE Quantity- 4 numbers
Detailed Description	<p>Power Contactor Spare kit suitable for 220 V DC coil, 1 pole power contactor of current rating 85 A (referred in Sl. NO. 02) shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301005
Item Description	COIL FOR POWER CONTACTOR - 2 POLE Quantity- 4 numbers
Detailed Description	<p>220 V DC coil for 2 pole power contactor of current rating 85 A (referred in Sl. No. 01) shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301006
Item Description	COIL FOR POWER CONTACTOR - 1 POLE Quantity- 4 numbers
Detailed Description	<p>220 V DC coil for 1 pole power contactor of current rating 85 A (referred in Sl. NO. 02) shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates from OEM shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301007
Item Description	CONTROL CONTACTOR COMPLETE ASSEMBLY Quantity- 10 numbers
Detailed Description	<p>220 V DC, Auxilary control contactor assembly of current rating, suitable for DC Starter box of rating 9.3 KW shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07 2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04 3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates from OEM shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301008
Item Description	COIL FOR CONTROL CONTACTOR Quantity- 10 numbers
Detailed Description	<p>220 V DC Coil for Auxilary control contactor assembly of current rating, suitable for DC Starter box of rating 9.3 KW shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates from OEM shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301009
Item Description	ON/OFF DELAY TIMER Quantity- 2 numbers
Detailed Description	<p>Electronic Timer shall be provided. Power Supply : 220 V DC, Timer Range : 0 to 30 seconds.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301010
Item Description	INDICATING LAMPS COMPLETE ASSY. - RED Quantity- 6 numbers
Detailed Description	<p>Indicating lamps of Cluster LED type, Red Colour, power Supply : 220 V DC shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07 2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04 3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301011
Item Description	INDICATING LAMPS COMPLETE ASSY. - AMBER Quantity- 6 numbers
Detailed Description	<p>Indicating lamps of Cluster LED type, Amber Colour, power Supply : 220 V DC shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07 2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04 3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301012
Item Description	INDICATING LAMPS COMPLETE ASSY. - GREEN Quantity- 6 numbers
Detailed Description	<p>Indicating lamps of Cluster LED type, Green Colour, Power Supply : 220 V DC shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07 2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04 3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301013
Item Description	PUSH BUTTONS COMPLETE ASSEMBLY Quantity- 4 numbers
Detailed Description	<p>Push buttons, Flush Type, Power supply : 220 V DC shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301014
Item Description	POWER FUSE Quantity- 6 numbers
Detailed Description	<p>Power Fuse suitable for 220 V DC, Current Rating range 125 Amps shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301015
Item Description	CONTROL FUSE Quantity- 10 numbers
Detailed Description	<p>Control Fuse suitable for 220 V DC, Current Rating range 6 Amps shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301016
Item Description	THERMAL OVERLOAD RELAY Quantity- 2 numbers
Detailed Description	<p>Thermal Overload relay suitable for 220 V DC, Current Rating of range 40 - 66 Amps shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301017
Item Description	AMMETER Quantity- 2 numbers
Detailed Description	<p>Digital Ammeter suitable for 220 V DC, with a display range of 3 1/2 digits shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301018
Item Description	SWITCH FUSE UNIT Quantity- 10 numbers
Detailed Description	<p>Switch Fuse Unit suitable for 220 V DC with a Current Rating of 160 A shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301019
Item Description	POWER TERMINAL BLOCK Quantity- 2 numbers
Detailed Description	<p>Power Terminal Blocks shall be Bus bar type, suitable for 120 sq.mm. Aluminium conductor.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301020
Item Description	CONTROL TERMINAL BLOCK Quantity- 7 numbers
Detailed Description	<p>Control Terminal Blocks of Cage clamp type, suitable for 2.5 sq.mm. cable shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03.</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301021
Item Description	END PLATES Quantity- 50 numbers
Detailed Description	<p>End plates suitable for the size of the Power and Control Terminal Blocks shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>

TECHNICAL CATALOGUE

Material Code	L1823S9619301022
Item Description	MUSHROOM TYPE PUSH BUTTON Quantity- 4 nos
Detailed Description	<p>Mushroom Type Push Button suitable for 220 V DC shall be provided.</p> <p>1) Vendor to comply the relevant clauses of the Technical Specification of the DC Starter box : TCI:248, Rev. 07</p> <p>2) Make of Accessories to be followed : QA:CI:STD:QP:34, Rev. 04</p> <p>3) Make and model of the spares/items offered shall match with the items supplied under NS-1 main supply.</p> <p>Inspection & Testing : Functional test shall be carried out. Test Certificates shall be submitted during inspection.</p> <p>Packing Procedure : QA:CI:STD:PR:04, Rev. 03</p>