

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED
(Wholly owned Subsidiary of Reserve Bank of India)
RBNML (PO), Salboni - 721 132
Phone: 03227-280212, 280213
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CORRIGENDUM NO. 2 to LIMITED TENDER NO. 035/SAL/PUR/2022-23 dated 28/09/2022 for
Supply & Installation of Horizontal Centrifugal Pump with Motor & Accessories

Date: 03rd November, 2022

With reference to the above tender, the following Corrigendum 2 may kindly be noted at the respective places mentioned.

Sl. No.	Description	Details as per Corrigendum No. 1 dated 21/10/2022	Details as per Corrigendum No. 2 dated 03/11/2022	Reference Page number of Tender
1.	Date of Sale of tender documents	From 28/09/2022 to 03/11/2022 during office hours	From 28/09/2022 to 17/11/2022 during office hours	3
2.	Closing date and time for receipt of tenders	04/11/2022 at 11.30 hours	18/11/2022 at 11.30 hours	1, 3
3.	Time and date of opening of tenders	04/11/2022 at 11.45 hours	18/11/2022 at 11.45 hours	1, 3, 6, 72
4.	Section VII: Technical Specifications	--	Specifications of SUPPLY & INSTALLATION OF HORIZONTAL CENTRIFUGAL PUMP WITH MOTOR & ACCESSORIES : Point No. 6 & 7	36, 37
5.	Section VII: Declaration by Tenderer Compliance Statement	--	A. <u>TECHNICAL:</u> <u>Point No. 6 & 7</u>	37, 38

Note: These changes are applicable at all other places of tender including Page Nos. given above.

All other terms and conditions remain unchanged.

This Corrigendum/Amendment forms part of the referred Tender. This page of Corrigendum / Amendment is to be submitted along with Techno-Commercial Bid (Part – I) duly signed and sealed by authorized signatory.

Bidders are requested to submit revised bids incorporating the above changes in their offers, if already submitted.

Yours faithfully,
For & On behalf of BRBNMPL

(D. A. Patil)
Assistant General Manager-MMD

As per the Original Tender Enquiry
(Page No. 36-37 of original tender document)

Section VII: Technical Specifications

SPECIFICATION FOR SUPPLY & INSTALLATION OF HORIZONTAL CENTRIFUGAL PUMP WITH MOTOR & ACCESSORIES

Scope of Supply:

- 1) The Scope of work includes Supply & Installation of Horizontal Centrifugal Pumps with motor & accessories that are to be installed at various locations at BRBNMPL, Salboni, West Midnapore District, West Bengal-721132.
- 2) Supply & installation has to be provided by the supplier.

Specifications of Horizontal Centrifugal Pump with Motor & accessories:

Sl. No.	Parameter	Required Specifications
1)	Type	Induction motor
2)	Induction Motor Ingress Protection	IP-55 or above
3)	Voltage	415 V, Delta (3Ph, 50Htz)
4)	KW/HP	7.5KW/10 HP Minimum
5)	Speed	1450 RPM Minimum
6)	Efficiency	≥ 87% at 45 degree centigrade
7)	Insulation type	Class B
8)	Coupling	Pin & Bush type Flexible Coupling
9)	Direction of rotation	Clockwise- viewed from motor end.
10)	Suction Pipe/Delivery pipe	150 mm dia /100 mm dia
11)	Material	Impeller: Bronze IS:318GR-LTB2 Casing: Cast Iron Shaft: EN8/SS410/ ST ASTMA 276-410 ANLD/C-40 Shaft Sleeve: Bronze IS:318GR-LTB2 Casing Wear Ring: Bronze IS:318GR-LTB2 Impeller Wear Ring: Bronze IS:318GR-LTB2 Flange: MS Flange
12)	Gland Packing Sealing	PTFE braided with Graphite
13)	Accessories	MS Base plate, Foundation nut & bolt, coupling guard
14)	Motor Make	Crompton Greaves/ Kirloskar / NGEF or Equivalent Reputed Brand
15)	Pump Make	Crompton Greaves/ Kirloskar/ Becon Weir or Equivalent Reputed Brand
16)	Type	Horizontal centrifugal pump (Non-Clog)
17)	Size	3F3
18)	Capacity	15 Ltrs/Sec (55 Cum/Hr.) Minimum
19)	Head	15 MWC
20)	Speed	1450 RPM Minimum
	Installation Instructions to the bidder	
21)	The contractor shall make their own arrangements for transportation of their service engineers / technicians and also for carrying the required spares/items to the site for Installation of the Pump Motor set.	
22)	Tools & tackles for attending faults & Maintenance activities shall be arranged by the Contractor.	
23)	Fixing new foundation bolt (fixed type) in the given foundation including cutting, welding, fixing, cementing etc. as required for rigid fixing of foundation bolts.	
24)	Fixing the MS base plate of pump all the above foundation bolts (fixed type) with proper levelling & proper alignment of pump-motor.	
25)	Fabrication of suction & discharge MS pipelines conforming to IS1239/3589, for end connections using flange, bends, fixing of valves etc., including welding, cutting, fixture support etc.	
26)	Painting suction / discharge pipelines, MS base plate etc. with one coat of red-oxide primer & two coats of first quality synthetic enamel paint of Asian paints or equivalent & approved shade.	
27)	Dismantling old pump & motor, base plate & associated suction discharge pipelines, valves etc.	

28)	All wearing parts within pumps should be easily accessible & replaceable.
29)	The Pump motor set to be replaced and installed at Existing water pipe Line at Plant Pump House BRBNMPL, Salboni.
30)	All the work associated with dismantling of old pump motor set & installation of the new pump motor set is in the scope of the contractor.
31)	The Pump- motor set supplied shall stand guaranteed against any /all defects in design/workmanship of material and performance for a period of one year from the date of Installation. If any defects develop during guarantee period the equipment/system shall be repaired /remedied/replaced promptly free of cost and all the expenses for transportation of goods necessitated for such repairs/replacement shall be borne by the contractor.
32)	Acceptance of the pump motor set will be subject to the successful completion of the installation in all respects & successful trial run of the system for three days.
33)	Supply & installation of the work must be completed within 60 days from the date of issue of the contract.

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Signature with Seal & date.

Note: If any clarification is required, bidders are advised to visit us, with prior permission, to understand our requirement before submitting their quote.

(Page No. 37-38 of original tender document)

Declaration by Tenderer

(To be filled, signed & stamped and submitted along with Technical Bid Part -I)

COMPLIANCE STATEMENT

A. TECHNICAL:

Specifications:			Offered by bidder	Deviations (If any)
Sl. No.	Parameters	Required Specifications		
1)	Type	Induction motor		
2)	Induction Motor Ingress Protection	IP-55 or above		
3)	Voltage	415 V, Delta (3Ph, 50Hz)		
4)	KW/HP	7.5KW/10 HP Minimum		
5)	Speed	1450 RPM Minimum		
6)	Efficiency	≥ 87% at 45 degree centigrade		
7)	Insulation type	Class B		
8)	Coupling	Pin & Bush type Flexible Coupling		
9)	Direction of rotation	Clockwise- viewed from motor end.		
10)	Suction Pipe/Delivery pipe	150 mm dia /100 mm Dia		
11)	Material	Impeller: Bronze IS:318GR-LTB2 Casing: Cast Iron Shaft: EN8/SS410/ ST ASTMA 276-410 ANLD/C-40 Shaft Sleeve: Bronze IS:318GR-LTB2 Casing Wear Ring: Bronze IS:318GR-LTB2 Impeller Wear Ring: Bronze IS:318GR-LTB2 Flange: MS Flange		
12)	Gland Packing Sealing	PTFE braided with Graphite		
13)	Accessories	MS Base plate, Foundation nut & bolt, coupling		

		guard		
14)	Motor Make	Crompton Greaves/ Kirloskar / NGEF or Equivalent Reputed Brand		
15)	Pump Make	Crompton Greaves/ Kirloskar/ Becon Weir or Equivalent Reputed Brand		
16)	Type	Horizontal centrifugal pump (Non-Clog)		
17)	Size	3F3		
18)	Capacity	15 Ltrs/Sec (55 Cum/Hr.) Minimum		
19)	Head	15 MWC		
20)	Speed	1450 RPM Minimum		
	General Instructions			
21)	The contractor shall make their own arrangements for transportation of their service engineers / technicians and also for carrying the required spares/items to the site for Installation of the Pump Motor set.			
22)	Tools & tackles for attending faults & Maintenance activities shall be arranged by the Contractor.			
23)	Fixing new foundation bolt (fixed type) in the given foundation including cutting, welding, fixing, cementing etc. as required for rigid fixing of foundation bolts.			
24)	Fixing the MS base plate of pump all the above foundation bolts (fixed type) with proper levelling & proper alignment of pump-motor.			
25)	Fabrication of suction & discharge MS pipelines conforming to IS1239/3589, for end connections using flange, bends, fixing of valves etc., including welding, cutting, fixture support etc.			
26)	Painting suction / discharge pipelines, MS base plate etc. with one coat of red-oxide primer & two coats of first quality synthetic enamel paint of Asian paints or equivalent & approved shade.			
27)	Dismantling old pump & motor, base plate & associated suction discharge pipelines, valves etc.			
28)	All wearing parts within pumps should be easily accessible & replaceable.			
29)	The Pump motor set to be replaced and installed at Existing water pipe Line at Plant Pump House BRBNMPL, Salboni.			
30)	All the work associated with dismantling of old pump motor set & installation of the new pump motor set is in the scope of the contractor.			
31)	The Pump- motor set supplied shall stand guaranteed against any /all defects in design/workmanship of material and performance for a period of one year from the date of Installation. If any defects develop during guarantee period the equipment/system shall be repaired /remedied/replaced promptly free of cost and all the expenses for transportation of goods necessitated for such repairs/replacement shall be borne by the contractor.			
32)	Acceptance of the pump motor set will be subject to the successful completion of the installation in all respects & successful trial run of the system for three days.			
33)	Supply & installation of the work must be completed within 60 days from the date of issue of the contract.			
34)	Offered Make & Model:	Make: _____ Model: _____ Country of Origin _____	To be specified by bidder	

Signature of the Authorized Signatory & Stamp:

Amended and should be read as

Section VII: Technical Specifications

SPECIFICATION FOR SUPPLY & INSTALLATION OF HORIZONTAL CENTRIFUGAL PUMP WITH MOTOR & ACCESSORIES

Scope of Supply:

- 1) The Scope of work includes Supply & Installation of Horizontal Centrifugal Pumps with motor & accessories that are to be installed at various locations at BRBNMPL, Salboni, West Midnapore District, West Bengal-721132.
- 2) Supply & installation has to be provided by the supplier.

Specifications of Horizontal Centrifugal Pump with Motor & accessories:

Sl. No.	Parameter	Required Specifications
1)	Type	Induction motor
2)	Induction Motor Ingress Protection	IP-55 or above
3)	Voltage	415 V, Delta (3Ph, 50Hz)
4)	KW/HP	7.5KW/10 HP Minimum
5)	Speed	1450 RPM Minimum
6)	Efficiency	International Efficiency 2 (IE2) and Above
7)	Insulation type	Class F
8)	Coupling	Pin & Bush type Flexible Coupling
9)	Direction of rotation	Clockwise- viewed from motor end.
10)	Suction Pipe/Delivery pipe	150 mm dia /100 mm dia
11)	Material	Impeller: Bronze IS:318GR-LTB2 Casing: Cast Iron Shaft: EN8/SS410/ ST ASTMA 276-410 ANLD/C-40 Shaft Sleeve: Bronze IS:318GR-LTB2 Casing Wear Ring: Bronze IS:318GR-LTB2 Impeller Wear Ring: Bronze IS:318GR-LTB2 Flange: MS Flange
12)	Gland Packing Sealing	PTFE braided with Graphite
13)	Accessories	MS Base plate, Foundation nut & bolt, coupling guard
14)	Motor Make	Crompton Greaves/ Kirloskar / NGEF or Equivalent Reputed Brand
15)	Pump Make	Crompton Greaves/ Kirloskar/ Becon Weir or Equivalent Reputed Brand
16)	Type	Horizontal centrifugal pump (Non-Clog)
17)	Size	3F3
18)	Capacity	15 Ltrs/Sec (55 Cum/Hr.) Minimum
19)	Head	15 MWC
20)	Speed	1450 RPM Minimum
	Installation Instructions to the bidder	
21)	The contractor shall make their own arrangements for transportation of their service engineers / technicians and also for carrying the required spares/items to the site for Installation of the Pump Motor set.	
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Signature with Seal & date.

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Declaration by Tenderer

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COMPLIANCE STATEMENT

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5)	Speed	1450 RPM Minimum		
6)	Efficiency	International Efficiency 2 (IE2) and Above		
7)	Insulation type	Class F		
8)	Coupling	Pin & Bush type Flexible Coupling		
9)	Direction of rotation	Clockwise- viewed from motor end.		
10)	Suction Pipe/Delivery pipe	150 mm dia /100 mm Dia		
11)	Material	Impeller: Bronze IS:318GR-LTB2 Casing: Cast Iron Shaft: EN8/SS410/ ST ASTMA 276-410 ANLD/C-40 Shaft Sleeve: Bronze IS:318GR-LTB2 Casing Wear Ring: Bronze IS:318GR-LTB2 Impeller Wear Ring: Bronze IS:318GR-LTB2 Flange: MS Flange		
12)	Gland Packing Sealing	PTFE braided with Graphite		
13)	Accessories	MS Base plate, Foundation nut & bolt, coupling guard		

14)	Motor Make	Crompton Greaves/ Kirloskar / NGEF or Equivalent Reputed Brand		
15)	Pump Make	Crompton Greaves/ Kirloskar/ Becon Weir or Equivalent Reputed Brand		
16)	Type	Horizontal centrifugal pump (Non-Clog)		
17)	Size	3F3		
18)	Capacity	15 Ltrs/Sec (55 Cum/Hr.) Minimum		
19)	Head	15 MWC		
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	General Instructions			
21)	The contractor shall make their own arrangements for transportation of their service engineers / technicians and also for carrying the required spares/items to the site for Installation of the Pump Motor set.			
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33)	Supply & installation of the work must be completed within 60 days from the date of issue of the contract.			
34)	Offered Make & Model:	Make: _____ Model: _____ Country of Origin _____	To be specified by bidder	

Signature of the Authorized Signatory & Stamp: