

## **BRAITHWAITE & CO. LIMITED**

### **PRICE BID FORMAT (PART-II)**

#### **A) FOR AC SQUIRREL CAGE INDUCTION MOTORS: (INDENT NO. CW/AC/MACHINE REPAIR/02/18 DATED 05.12.2018)**

Description of Motors with Detailed Scope of Work	MOTOR RATING				
	Above 50 KW(67 HP) up to 90 KW (120 HP)	Above 30 KW(40 HP) up to 50 KW (67 HP)	Above 22 KW(30 HP) up to 30 KW (40 HP)	Above 7.5 KW(10 HP) up to 15 KW (20 HP)	Above 1 KW(1.5 HP) up to 7.5 KW (10 HP)
<b>RATE WITH TAXES</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>
1. Complete Rewinding of Stator with new dual coated enameled conductor with Class-H Insulation with proper Heating & varnishing.					
2. Complete overhauling, heating & varnishing of Rotor.					
3. Complete overhauling, heating & varnishing of Stator.					
4. Trueness checking of Rotor Shaft.					
5. Rectification of Rotor Shaft					
6. Replacement of broken shaft of Rotor with EN Group material which should be equivalent to existing shaft material (Test Certificate of Shaft material should be produced at the time of delivery of Motor).					
7. Dynamic balancing of Rotor as per IS at rated speed of motor. Balancing certificate has to be submitted at the time of delivery.					
8. Rectification of Coupling / Gear / Keyway of existing Coupling / Gear to match with the Rotor Shaft.					
9. Rectification / repairing of End covers.					
10. Replacement of NDE side damaged bearing by new one. New Bearing (Ball / Roller) should be of SKF / FAF / NBC make					

**FOR AC SQUIRREL CAGE INDUCTION MOTORS: (INDENT NO. CW/AC/MACHINE REPAIR/02/18 DATED 05.12.2018)**

**PRICE BID FORMAT (PART-II)**

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Description of Motors with Detailed Scope of Work	MOTOR RATING				
	Above 50 KW(67 HP) up to 90 KW (120 HP)	Above 30 KW(40 HP) up to 50 KW (67 HP)	Above 22 KW(30 HP) up to 30 KW (40 HP)	Above 7.5 KW(10 HP) up to 15 KW (20 HP)	Above 1 KW(1.5 HP) up to 7.5 KW (10 HP)
<b>RATE WITH TAXES</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>
11. Replacement of DE side damaged Bearing by new one. New Bearing (Ball / Roller) should be of SKF / FAG / NBC make.					
12. Rectification of damaged connection terminal block with cover.					
13. Replacement of damaged connection terminal block with cover					
14. Rectification of inspection cover cooling fan etc.					
15. Replacement of inspection cover cooling fan etc.					
<b>Grand Total of Group-A</b>					

**Note: While quoting rates, bidder shall consider all taxes and charges applicable.**

**For Braithwaite & Co. Limited**

**PRICE BID FORMAT (PART-II)**

**B) FOR DC MOTORS: (INDENT NO. CW/AC/MACHINE REPAIR/01/18 DATED 05.12.2018)**

Description of Motors with Detailed Scope of Work	MOTORS RATING			
	Above 30 KW(40 HP) up to 41 KW (55 HP)	Above 19 KW(25 HP) up to 30 KW (40 HP)	Above 11 KW (15 HP) up to 19 KW (25 HP)	3.75 KW(5 HP) up to 11 KW (15 HP)
<b>RATES WITH TAXES</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>
1) Complete rewinding of Armature / Rotor with new dual coated enameled Copper Conductor with Class-H Insulation with proper Heating & Varnishing.				
2) Complete rewinding of Field Coil with new dual coated Copper enameled conductor with Class-H insulation with proper heating & varnishing.				
3) Complete rewinding of inter-pole coils with new dual coated Copper enameled conductor with Class-H insulation with proper heating & varnishing.				
4) Complete re-insulation of Armature coils with Class-H insulation including heating & varnishing.				
5) Complete re-insulation of Field coils with Class-H insulation including heating & varnishing.				
6) Complete re-insulation of inter-pole coils with Class-H insulation including heating & varnishing.				
7) Re-mica / repairing of Commutator including under cutting along with along with dismantling and refitting.				
8) Replacement of total commutator along with dismantling and refitting.				

## PRICE BID FORMAT (PART-II)

**(B) FOR DC MOTORS: (INDENT NO. CW/AC/MACHINE REPAIR/01/18 DATED 05.12.2018)**

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Description of Motors with Detailed Scope of Work	MOTORS RATING			
	Above 30 KW(40 HP) up to 41 KW (55 HP)	Above 19 KW(25 HP) up to 30 KW (40 HP)	Above 11 KW (15 HP) up to 19 KW (25 HP)	3.75 KW(5 HP) up to 11 KW (15 HP)
<b>RATES WITH TAXES</b>	(Rs.)	(Rs.)	(Rs.)	(Rs.)
9. Commutator polishing and under cutting.				
10. Replacement of damaged Carbon Brush holders including spring (New Brush Holders & Springs to be supplied)				
11. Replacement of damaged springs by new one. <b>(Rate to be given per piece)</b>				
12. Replacement of Carbon brush with proper grade of Carbon Brush (EG-14 or equivalent as required) <b>(Rate to be given per piece)</b>				
13. Replacement of broken shaft of Rotor with EN group material which should be equivalent to existing shaft material (Test certificate of shaft material should be produced at the time of delivery of Motor)				
14. Dynamic balancing of Rotor as per IS at rated speed of motor. Balancing certificate has to be submitted at the time of delivery.				
15. Rectification of Rotor Shaft / Keyway of existing shaft along with supply of new key suitable to Coupling / Gear.				
16. Rectification of Coupling / Gear / Keyway of existing Coupling / Gear to match with the Rotor Shaft.				
17. Rectification of Keyway of existing shaft along with supply of new Key suitable to Coupling / Gear.				
18. Rectification of Keyway of existing Coupling / Gear.				

## **PRICE BID FORMAT (PART-II)**

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Description of Motors with Detailed Scope of Work	<b>MOTORS RATING</b>			
	<b>Above 30 KW(40 HP) up to 41 KW (55 HP)</b>	<b>Above 19 KW(25 HP) up to 30 KW (40 HP)</b>	<b>Above 11 KW (15 HP) up to 19 KW (25 HP)</b>	<b>3.75 KW(5 HP) up to 11 KW (15 HP)</b>
<b>RATES WITH TAXES</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>	<b>(Rs.)</b>
19. Rectification of Bearing housing (DE)				
19a) Rectification of Bearing housing (NDE)				
20. Replacement of damaged NDE side bearing by new one. New Bearing (Ball / Roller) should be of SKF / FAF / NBC make and GM Bush Bearing are to be of existing quality.				
21. Replacement of DE side damaged Bearing by new one. New Bearing (Ball / Roller) should be of SKF / FAG / NBC make and GM Bush Bearing are to be of existing quality.				
22. Rectification of End covers, Grease Cap, Bearing cover etc.				
23. Replacement of End covers, Grease Cap, Bearing cover etc.				
24. Rectification of damaged connection terminal block with cover.				
25. Replacement / supply of new Rocker Assembly.				
26. Replacement of Inspection Cover.				
<b>Grand Total of Group-(B)</b>				

**For Braithwaite & Co. Limited**

**Note: While quoting rates, bidder shall consider all taxes and charges applicable.**

## PRICE BID FORMAT (PART-II)

### (C) FOR DEWATERING PUMP & SUBMERGE PUMP MOTORS (A.C. MOTORS):

Description of Motors with Detailed Scope of Work	MOTOR RATING		
	Above 15 KW(20 HP) up to 22 KW (30 HP)	Above 3.73 KW(5 HP) up to 7.5 KW (10 HP)	1 KW (1.5 HP) up to 3.73 KW (5 HP)
Rate with taxes& duties	(Rs.)	(Rs.)	(Rs.)
Complete Rewinding of Stator with new PVC Insulated flexible ETP High Conductivity Copper Conductor suitable for De-watering Pump and Submersible Pump.			
Rectification of Rotor Shaft / Keyway of existing shaft along with supply of New Key suitable to Coupling / Gear / Propeller for De-watering & Submersible Pumps.			
Rectification of Propeller for De-watering & Submersible Pumps to match with the Rotor Shaft.			
Replacement of End Seals of Tungsten Carbide material for De-watering & Submersible Pumps.			
Rectification of NDE Bearing Housing, Grease Cap, Bearing cover etc.			
Rectification of DE Bearing Housing, Grease Cap, Bearing cover etc.			
Complete rewinding of motor with FINOLEX PVC, ETP High Conductivity Copper of proper gauge; complete repairing of Pump unit along with replacement of all Seals & Bearings of Submersible & Dewatering Pump Motors.			
Repairing of Housing of Dewatering Pump as a whole and re-staggering of Stator Core.			
Replacement of damaged Metallic Shields (DE & NDE side) for Dewatering & Submersible Pump Motors.			
Replacement of End Shields of both side End cover for Dewatering & Submersible Pump Motors.			
Repairing of Pump Impeller Unit for Dewatering & Submersible Pumps.			

**Note: While quoting rates, bidder shall consider all taxes and charges applicable.**