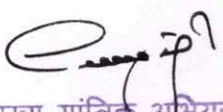


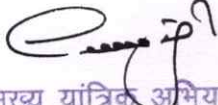
	Information required	As per Clause No.	Value /Write up/ Brochure
2.	Technical Details/Particulars of Motors, Control Gears, Voltage Stabilizer & Isolation Transformer		
2.1	<p>A.C. Motors and Control Gears</p> <p><b>AC MOTOR</b></p> <ul style="list-style-type: none"> <li>• Manufacturer's Name</li> <li>• Type of enclosure</li> <li>• Type of duty (Ref. IS: 325) (Latest)</li> <li>• Rating-Continuous/intermittent</li> <li>• Output (KW/BHP)</li> <li>• AC voltage across phases, number of phases &amp; frequency.</li> <li>• Speed in RPM</li> <li>• Class of insulation</li> <li>• Normal full load current</li> <li>• Starting current</li> <li>• Maximum current at the time of change over from lower speed to higher speed</li> <li>• Type of motor-Squirrel cage/ slip ring (wound rotor)</li> <li>• Temperature rise of windings and other parts allowed above an ambient temperature of 50 degree C.</li> <li>• Frame size of motor</li> <li>• End use of motor</li> </ul> <p><b>CONTROL GEARS</b></p> <ul style="list-style-type: none"> <li>▪ Manufacturer's Name</li> <li>▪ Type of control gear (Direct on line/Star Delta/Auto-transformer etc.)</li> <li>▪ Rating of starting gear in KW &amp; amps.</li> <li>▪ Short circuit protection (y/n)</li> <li>▪ No volt trip (y/n)</li> <li>▪ Overload trip (y/n)</li> <li>▪ Delayed action current sensitive single phasing preventer (y/n)</li> <li>▪ Standard specifications to which the motor control gear and its ancillary offered conform to</li> </ul>		

  
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2.2	<p>D.C. Motors and Control Gears</p> <p><b>DC MOTOR</b></p> <ul style="list-style-type: none"> <li>• Manufacturer's Name</li> <li>• Type of enclosure</li> <li>• Type of duty (Ref. IS: 4722) (Latest)</li> <li>• Rating-Continuous/intermittent</li> </ul>		
	<ul style="list-style-type: none"> <li>• Output (KW/BHP)</li> <li>• DC voltage across phases, number of phases &amp; frequency</li> <li>• Method of excitation whether shunt, series, compound or separately excited, if separately excited state excitation voltage.</li> <li>• Speed in RPM</li> <li>• Class of insulation</li> <li>• Normal full load current in amps.</li> <li>• Starting current</li> <li>• Temperature rise of windings and other parts allowed above an ambient temperature of 50 degree C.</li> <li>• Frame size of motor</li> <li>• End use of motor</li> </ul> <p><b>CONTROL GEARS</b></p> <ul style="list-style-type: none"> <li>• Manufacturer's Name</li> <li>• Type of control gear (Direct on line/Resistance type/Thyristor type)</li> <li>• Rating of starting gear in KW &amp; amps.</li> <li>• Short circuit protection (Y/N)</li> <li>• No volt trip (y/n)</li> <li>• Overload trip (y/n)</li> <li>• Standard specifications to which the motor control gear and its ancillary offered conform to</li> <li>• Standard specification to which control gear conforms to</li> </ul>		
2.3	<p>Voltage Stabiliser &amp; Ultra Isolation Transformer</p> <p><b>VOLTAGE STABILISER</b></p> <ul style="list-style-type: none"> <li>• Manufacturer's Name</li> <li>• Type of voltage stabilizer : <ul style="list-style-type: none"> <li>a) DC servo motor type</li> <li>b) AC servo motor type</li> <li>c) Solid state</li> </ul> </li> <li>• Rated capacity in KVA</li> <li>• Nos. of phases &amp; frequency</li> <li>• Type of input supply unbalanced</li> <li>• Input voltage</li> <li>• Output voltage</li> <li>• Rate of correction</li> <li>• Class of insulation &amp; winding (only copper wound is acceptable)</li> <li>• Type of control circuitry</li> <li>• Class of duty</li> <li>• Type of cooling</li> <li>• Indicating instruments and their ranges</li> </ul>		



	Information required	As per Clause No.	Value /Write up/ Brochure
2.	Technical Details/Particulars of Motors, Control Gears, Voltage Stabilizer & Isolation Transformer		
2.1	<p>A.C. Motors and Control Gears</p> <p><b>AC MOTOR</b></p> <ul style="list-style-type: none"> <li>• Manufacturer's Name</li> <li>• Type of enclosure</li> <li>• Type of duty (Ref. IS: 325) (Latest)</li> <li>• Rating-Continuous/intermittent</li> <li>• Output (KW/BHP)</li> <li>• AC voltage across phases, number of phases &amp; frequency.</li> <li>• Speed in RPM</li> <li>• Class of insulation</li> <li>• Normal full load current</li> <li>• Starting current</li> <li>• Maximum current at the time of change over from lower speed to higher speed</li> <li>• Type of motor-Squirrel cage/ slip ring (wound rotor)</li> <li>• Temperature rise of windings and other parts allowed above an ambient temperature of 50 degree C.</li> <li>• Frame size of motor</li> <li>• End use of motor</li> </ul> <p><b>CONTROL GEARS</b></p> <ul style="list-style-type: none"> <li>▪ Manufacturer's Name</li> <li>▪ Type of control gear (Direct on line/Star Delta/Auto-transformer etc.)</li> <li>▪ Rating of starting gear in KW &amp; amps.</li> <li>▪ Short circuit protection (y/n)</li> <li>▪ No volt trip (y/n)</li> <li>▪ Overload trip (y/n)</li> <li>▪ Delayed action current sensitive single phasing preventer (y/n)</li> <li>▪ Standard specifications to which the motor control gear and its ancillary offered conform to</li> </ul>		

  
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2.2	<p>D.C. Motors and Control Gears</p> <p><b>DC MOTOR</b></p> <ul style="list-style-type: none"> <li>• Manufacturer's Name</li> <li>• Type of enclosure</li> <li>• Type of duty (Ref. IS: 4722) (Latest)</li> <li>• Rating-Continuous/intermittent</li> </ul>		
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	<ul style="list-style-type: none"> <li>Safety features</li> </ul> <p><b>ULTRA ISOLATION TRANSFORMER</b></p> <ul style="list-style-type: none"> <li>Manufacturer's Name</li> <li>Rated capacity</li> <li>Ratio of input/output voltage</li> <li>Class of insulation</li> <li>Arrangement for suppression of power line surges , spikes , transients and noises .</li> <li>Type of cooling</li> </ul>		
3	The Bidder shall offer their comments against each clause		
4	<p>Misc.</p> <p>1 Maximum working pressure ..... kg./sq. cm.</p> <p>2 Oil tank capacity ..... ltrs.</p> <p>3 Capacity of each pump ..... lit./min.</p> <p>4 Motor power ..... kW</p> <p>5 Overall dimensions of the equipment... mm x mm x mm</p> <p>6 Approximate weight of press ..... kg</p> <p>7 Following drawings should be submitted alongwith the bid:</p> <p>a) General arrangement drawing</p> <p>b) Cylinder-ram assembly cross sectional drawings</p> <p>Hydraulic circuit &amp; piping diagram</p>		

Signature of the authorized representative  
of the bidder with company stamp

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Central Railway Matunga

## ANNEXURE-B

**JOINT RECEIPT INSPECTION NOTE**

*Note: With the issue of JRI, payment is released to the contractor, as per the terms of contract. Consignee shall satisfy themselves that the conditions of contract are met before issue of the JRI.*

Date.....

Sub: Receipt of consignment for machine.....  
Ref: CENTRAL Railway Contract No.....

1.	Name of consignee/Railway	
2.	Machine name	
3.	Quantity	
4.	Name of supplier	
5.	Consignment of the machine received on	
6.	The foundation & associated works essential for "Safe Installation of Machine" are ready (for turnkey contracts only) *	

\* If there are Delays on account of Consignee such as clear site is not given, then the condition 6 will not be a valid ground for holding JRI.

It is certified that the consignment of the machine has been received complete and in good condition as per specification shown in the contract.

**Tentative plan for installation and commissioning of the machine is as under:**

1.	Date of clear site provided	
2.	Contract	Turnkey/Non-turnkey
3.	<b>Status of readiness of foundation:</b>	
3(a)	Already constructed on	
3(b)	Under construction & likely date of its completion	
3(c)	Construction yet to be started from ..... and likely date of its completion	
4.	Status of availability of electrical power, water and compressed air etc.	Available/Not-available
5.	Number of components to be proved out on the machine	
6.	Likely date for start of erection/installation	

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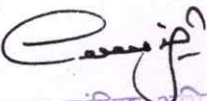
7.	Likely date for switch-on the machine	
8.	Likely date of completion of commissioning of the machine	

Representative of firm

Representative of consignee

Designation

Designation  
(Minimum Gazetted level)

  
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## ANNEXURE - C

JOINT COMMISSIONING NOTE

Date:.....

Sub: Commissioning of (name of machine) .....

Ref: CENTRAL RAILWAY CONTRACT  
No.....

1.	Name of consignee/Railway	
2.	Machine name	
3.	Quantity	
4.	Name of supplier	
5.	Machine received on	

6. All the parameters of the machine are found okay. The proving test on the machine was conducted from ..... to..... and machine is working satisfactorily.
7. Machine has finally been commissioned on..... . The machine has been handed over for regular use and kept under one-month observation to watch its performance.
8. Following minor deficiencies (if any) found during joint observation trials are to be attended/rectified by the firm during one-month observation and before issuing the PTC for the machine:

- a.
- b.
- c.

Representative of firm  
DesignationRepresentative of consignee  
Designation  
(Minimum Gazetted level)

  
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Central Railway Matunga



7.	Likely date for switch-on the machine	
8.	Likely date of completion of commissioning of the machine	

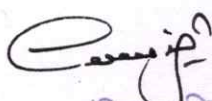
Representative of firm

Designation

Representative of consignee

Designation

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## ANNEXURE – C

JOINT COMMISSIONING NOTE

Date:.....

Sub: Commissioning of (name of machine) .....

Ref: CENTRAL RAILWAY CONTRACT  
No.....

1.	Name of consignee/Railway	
2.	Machine name	
3.	Quantity	
4.	Name of supplier	
5.	Machine received on	

6. All the parameters of the machine are found okay. The proving test on the machine was conducted from ..... to..... and machine is working satisfactorily.
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a.

b.

c.

Representative of firm  
DesignationRepresentative of consignee  
Designation  
(Minimum Gazetted level)

  
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