FOR MATERIALS

(1)	(2)	(3)	(4)	(5)		(6)
Item No	Description with Specs. Etc.	Unit	Qty	Price Per Unit FOB or C & F		Delivery Date
				In Figures	In Words	
01	**NC Slurry Transfer Pump for Nitration House** **Specification** Pump Materials: Shaft: S.S AISI 316 Sleeve: S.S AISI 316, Casing Cover: S.S AISI 316 Base Plate: S235 Type: Horizontal Centrifugal Pump Discharge Head: 20 meter, Suction x Discharge Dia: 125x125 mm Capacity: 1800 liter/min, RPM: 1450 minimum Direction of Rotation: Clockwise Media: Pump should be capable of pumping Acidic NC water based slurry having consistency of 10% Detail is appended below: Density of NC= 1.65 to 1.67 kg/m^3 Total acidity of slurry 3% in ratio : $HNO_3 : H_2SO_4$=1:2 PH of NC slurry = 3.5 to 8 Temperature of NC Slurry= 60°C Viscosity of NC= 120 cp Fiber Length of NC= 2 to 3 mm (Un- Refined)	No	04			
02	**Electric Motor for NC Slurry Pump** Type: IEC 160 Power: 11 KW Voltage: 380 V Starting: DOL Frequency: 50 Hz Speed: 4 (pole) Insulation & Temp class: F/B Protection: IP65 Design: IM B3 Ambient Operating Temp: -20....+50°C Coating (Motor): Manufactures Standard	No	04			

RECOMMENDED SPARES:

1. Impeller: 04 Nos for each pump
2. Bearings (Front & Rear) for Pump: 04 Set (01+01 for each pump)
3. Mechanical Seal/Glands: 04 Nos (for each pump)
4. Coupling: 02 Nos (for each pump)
5. Bearings (Front & Rear) for Motor: 04 set (01+01 for each Motor)

TECHNICAL DOCUMENTATION IN ENGLISH (03 SETS)

1. Installation Drawing
2. Operation, Maintenance & Lubrication Manual
3. Spare Parts list for Pumps