

Schedule for Budgetary Offer of Ner Lift Irrigation Stage -I &II

Sr. No	Description	Quantity	Unit	Rate/ Unit (Rs)	Amount (Rs)
	A) Ner LIS Stage-I				
1	<p>Submersible Pump- 225 HP Design with quality assurance plan at all stages of manufacturing supply,erection,testing & commissioning at site of work of Submersible Vertical End Suction Pump motor set with Water Immersed, Dry Air filled, Class "H" insulated, S1 duty induction motor, Vacuum pressure impregnated treatment, non-driven end insulated bearing, TEWC Motor Integrally mounted on Volute type Casing pumpset for handling Raw Water application for 3 phase, 50 Hz +/- 3%, 3.3 kV +/-10% along with suitable size XLPE cables and PVC Copper control cable having 10 m length or as per site requirement (from motor terminals to Junction box/ Starter), Motor Should have Suitable no of RTDs for the Temp of Windings and ND and NDE bearings ,motor Should have sensors such that Stator Water leakage ,Cable junction leakage should be sensed by the sensors. PMU of Single Phase having all the protection and Water level sensing should be provided with the motor the motor Strainer & installation device having material of construction: Impeller- CF8M, Casing (Volute) - C.I., Wearing Rings - S.S.-CF8M,Suction Strainer SS202 to draw Raw Water from bottom of the RW Sump Of Ner Talav.Suitable for following duties:</p> <p>a) Duty point discharge -0.2615 m³/sec b) Duty point head-49.39 M c) Maximum RPM synchronous -1500 d) Efficiency - 79% e) Head range- 37 to 55 f)No of maximum stages- Single stage g) Max.no of pumps working in parallel - 2 No</p>	2	Nos		
	B) Ner LIS Stage-II				
3	<p>Submersible Pump-428 HP Design with quality assurance plan at all stages of manufacturing supply,erection,testing & commissioning at site of work of Submersible Vertical End Suction Pump motor set with Water Immersed, Dry Air filled, Class "H" insulated, S1 duty induction motor, Vacuum pressure impregnated treatment, non-driven end insulated bearing, TEWC Motor Integrally mounted on Volute type Casing pumpset for handling Raw Water application for 3 phase, 50 Hz +/- 3%, 3.3 kV +/-10% along with suitable size XLPE cables and PVC Copper control cable having 10 m length or as per site requirement (from motor terminals to Junction box/ Starter), Motor Should have Suitable no of RTDs for the Temp of Windings and ND and NDE bearings ,motor Should have sensors such that Stator Water leakage ,Cable junction leakage should be sensed by the sensors. PMU of Single Phase having all the protection and Water level sensing should be provided with the motor the motor Strainer & installation device having material of construction: Impeller- CF8M, Casing (Volute) - C.I., Wearing Rings - S.S.-CF8M,Suction Strainer SS202 to draw Raw Water from bottom of the RW Sump Of Ner Talav.Suitable for following duties:</p>	4	Nos		

Sr. No	Description	Quantity	Unit	Rate/ Unit (Rs)	Amount (Rs)
	a) Duty point discharge -0.4908 m ³ /sec b) Duty point head-51.56 M c) Maximum RPM synchronous -1000 d) Efficiency - 79% e) Head range- 38 to 57 f)No of maximun stages- Single stage g) Max.no of pumps working in parallel - 4 No				
3	<p>Supplying,installing,testing,commissioning & operating at full load auxillary transformer having capacity 160 KVA Operating at 3300/415 Volts,3phase 50Hz having copper wound winding immersed oil with vector group DY11 with star nutral brought out for seperate earthing.Transformers should have power terminal arrangement bushing at HT Side & cable box at LT Side.Transformers should have by directional plain rollers arrangement for installation at indoor.Transformers should be as per latest amendments of IS & No loas loss & full load loss should be withing permissible limits as specified in IS.Transformers should have</p> <p>1) Oil conservator with filling hole with cap & plain oil level gauge. 2)Silica gel dehydrating breather 3)Oil drain valve 4)Oil fillter valve 5)Lifting eye or hooks 6)Earthing terminals 2 separate 7)Diagram & rating plate. 8)Bidirectionals rollers 9)Explosion vent</p>	4	Nos		
	Soft Starter				
	Ner-I				
4	<p>Supply,installation,testing,commissioning and operating at site of work soft starter of 195 KW operating at 3.3KV,50Hz supply having soft starter coils vaccume pressure impregnate with bypass contactor of appropriate rating used to limit the starting current of the motor within the stipulated amount as specified by latest revision of IS and IEC.Soft Starter should comprise of</p> <p>1 coils of soft starter should be vacume impregnate with class of insulation 'F'and temperature rise limit upto class 'B'in case of loading. 2 main contactor and bypass contactor of appropriate rating and class 3 IP55 protection for the soft starter 4 digital display showing starting current and other imperative parameters specified by engineer incharge 5 ammeter and current sensing relay of appropriate rating. 6. Interlock with bypass supervision and over current earthfault 7.Coils of soft starter should be seperately mounted per phase so that 1 coil can be changed if there is fault or rupture of coil. 8.Earthing arrangements for the soft starters. 9.Emergency stop push Button.</p>	2	Nos		

Sr. No	Description	Quantity	Unit	Rate/ Unit (Rs)	Amount (Rs)
5	Soft Starter				
	Ner-II				
	Supply,installation,testing,commissioning and operating at site of work soft starter of 380 KW operating at 3.3KV,50Hz supply having soft starter coils vacume pressure impregnate with bypass contactor of appropriate rating used to limit the starting current of the motor within the stipulated amount as specified by latest revision of IS and IEC.Soft Starter should comprise of	4	Nos		
	1 coils of soft starter should be vacume impregnate with class of insulation 'F'and temperature rise limit upto class 'B'in case of loading.				
	2 main contactor and bypass contactor of appropriate rating and class				
	3 IP55 protection for the soft starter				
	4 digital display showing starting current and other imperative parameters specified by engineer incharge				
	5 ammeter and current sensing relay of appropriate rating.				
	6. Interlock with bypass supervision and over current earthfault				
	7.Coils of soft starter should be seperately mounted per phase so that 1 coil can be changed if there is fault or rupture of coil.				
	8.Earthing arragements for the soft starters.				
	9.Emergency stop push Button.				

**Executive Engineer
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