

**Budgetary Offer Notice No. 02 For 2021-2022****GOVERNMENT OF MAHARASHTRA****Executive Engineer Mechanical Divisional Unit, Jalgaon****WATER RESOURCES DEPARTMENT**

**Name of Work :-** Supplying, Erecting, Testing & Commissioning of Below Electrical Items of Control Pannels in Pump House for Varangaon Talwel Lift Irrigation Scheme Stage I & Stage II, Varangaon Dist. Jalgaon Budgetary offer for the above work are invited by The Executive Engineer, Mechanical Divisional Unit, Jalgaon. The sealed Budgetary Offer should reach to this office on or before **31/08/2021** up to 14.00 hrs.

<b>Varangaon - Talwel Lift Irrigation Scheme Stage 1 Pump House, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b> <b>-: Work List :-</b>				
<b>Sr.No.</b>	<b>Items of work (Grouped under Sub-heads or Sub-works of estimate.) Description of Work</b>	<b>Qty.</b>	<b>Unit</b>	<b>Total Rate Rs.</b>
<b>1</b>	<b>Repairs and Maintenance of various electical equipments in the Pump House at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	<b>Overhauling of 6.6 kV, 1800 kW, 3ph, 50Hz H.T. Motors at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Dismanteling of segregation box cover plate, Checking of IR values of motor windings, checking of IR values of HT cable, replacement burnt lugs, nut bolt, bimetal washers, Replacement of gaskets, cleaning connection by etc.	5	Nos.	
	Item No. – 2 Checking, Testing and Cleaning all equipment CT'S, PT'S, LA'S, insulating part cleaning by CTS Chemical, heat treatment by Heating Halogen Lamp for developing megger value. Cleaning all copper contact. After maintenance applying petroleum jelly to all copper contact, busbars, replacement of necessary hardware.	5	Nos.	
	Item No. – 3 :- Dismantling side cover of Drive End bearing & removing of old burned/un-usable Grease and cleaning it by kerosene. Applying Grease to bearing and bearing pocket, fixing bearing cover and filling grease by pressure Gun up to Top up.	5	Nos.	
	Item No. – 4 Dismantling side cover of Non Drive End bearing & removing of old burned/un-usable Grease and cleaning it by kerosene. Applying Grease to bearing and bearing pocket, fixing bearing cover and filling grease by pressure Gun up to Top up.	5	Nos.	
	Item No. – 5 Decouple Motor with pump stool, connect power and control cable for No -Load Trial, check freeness, balance and measure actual current. Program setting of motor protection relay. Checking value of motor current.	5	Nos.	
	Item No. – 6 Couple motor coupling with pump for load trial. check freeness, count rotation, balance and measure actual current.	5	Nos.	
	Item No. – 7 Checking, cleaning connections, calibrating and testing HT Motor winding RTD, bearing RTD, properly re-installed/re-connect and checking, repairing RTD related control circuit with respect to tripping of 5 Nos. HT Motors individually. (1 Motor = 1 job)	5	Job	
	Item No. – 8 Providing heat treatment by Heating Halogen Lamp for developing megger value of all 5 Nos.HT motor's., Disconnect the power cable's from motor and HT motor feeder panel's too. And Checking power cable IR value from Motor feeder panel's to HT motor. after checking if results are satisfactory then reconnect all the 5 Nos. power cable to HT motor side and HT motor feeder panel's side properly without any loose connections at site.	5	Job	

<b>2</b>	<b>Checking and Testing FCMA Neutral Soft Starter 1800kW, 3ph ,6600 volt, 50Hz Panel's at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking and Testing of FCMA Neutral Soft Starter 1800kW, 3ph ,6600 volt, 50Hz Panels. Replacement of damaged or non working Indicating lamps with new LED Indicating lamps as per existing colour indication. If at the time of checking and Testing in case any abnormalities observed then need to submit the Inspection report.	5	Job	
	Item No. – 2 Replacement of Damaged or Non working Ammeters of range 0-1800 A of suitable CTR (CT Ratio) by new Suitable range Analog or Digital Ammeter. Checking, Testing of CT's of FCMA panel's Ammeter and Checking the Current Drawn.	5	Job	
<b>3</b>	<b>HT Panel's at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	<b>Calibration of 6.6 KV HT Panel, indicating meters, protection CT's &amp; PT's and replacement faulty indicating lamps, HRC Fuses in H.T. Panel etc. at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Cleaning of all HT feeder Panels with blower and spray the CTC on contact of termination box of HT feeder panel's.	1	Job	
	Item No. – 2 Replacement of damaged or non-working ammeters on HT Panel with new Analog or Digital ammeter and will suitable to existing Ampere Range with respect to CTR (CT Ratio).	4	Nos.	
	Item No. – 3 Replacement of damaged or non-working voltmeters on HT Panel with new Analog or Digital Voltmeter and will suitable to existing Voltage Range.	4	Nos.	
	Item No. – 4 Checking, testing and Replacing if found faulty Current Transformer of suitable range of existing supply system in H.T. Panel and repairing or replacement of damaged wiring as per site condition.	1	Job	
	Item No. – 5 Checking, testing and Replacing if found faulty Potential Transformers in H.T. Panel and repairing or replacement of damaged wiring as per site condition.	1	Job	
	Item No. – 6 Replacement of faulty Indicating lamps with LED indicating lamps suitable to existing indicating colours.	1	Job	
	Item No. – 7 Replacement of blown out H.R.C. fuses of various ratings in Motor feeder panel's, Incomer Panel's, Bus coupler panel, Capacitor feeder Panel's of HT Feeder's and Remote control Panel.	1	Job	
	Item No. – 8 Checking and Calibration of kWh meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 9 Checking and Calibration of kVAR meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 10 Checking and Calibration of Ammeter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 11 Checking and Calibration of frequency meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 12 Checking and Calibration of Power factor meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 13 Checking and Calibration of Voltmeter meter and replacing if found faulty of HT feeder panel.	1	Job	

	Item No. – 14 Checking of various contactors and timers in control circuit and replacing if found faulty of HT Feeder Panel's.	1	Job	
	Item No. – 15 Checking, Testing and replacing if found blown out 7.2 kV, 10 amps PT fuse and replacement of burnt copper PT clamps.	1	Job	
	Item No. – 16 Checking, Testing and replacing if found blown out 7.2 kV, 140 amps PT fuse and replacement of burnt copper PT clamps.	1	Job	
<b>4</b>	<b>Testing of all relays on HT/LT panel by secondary injection kit, Supplying and replacing Faulty relays at Varangaon - Talwel Lift Irrigation Scheme Stage - 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Testing of Motor protection relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. – 2 Testing of Under voltage relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. – 3 Testing of Trip circuit supervision relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. 4 Testing of Tripping relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. 5 Testing of Overcurrent and Earth fault relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. 6 Checking and testing of control wiring of Incomer 1 & 2, Bus coupler, Motor feeders and capacitor feeder and replacement of damaged wiring terminals, CT terminals, control contactors and Timers. Checking of Logic of the Motor feeders and Incomer feeders, Bus Coupler, Capacitor feeders and trial and testing of logic control circuit of all HT Feeder panel's with operations of all 5 Nos. HT motor's on NO-LOAD and On FULL-LOAD condition upto satisfactorily results at site etc.	1	Job.	
	Item No. 7 Replacement of Motor protection relays if found faulty.	2	Nos.	
	Item No. 8 Replacement of Under Voltage relays if found faulty.	2	Nos.	
	Item No. 9 Replacement of Trip Circuit Supervision relays if found faulty.	2	Nos.	
	Item No. 10 Replacement of Tripping relays if found faulty.	2	Nos.	
	Item No. 11 Replacement of Overcurrent and Earth fault relay if found faulty.	2	Nos.	
<b>5</b>	<b>Checking, Servicing, Repairing, Trial, Testing and commissioning of all existing Vacuum Circuit Breaker's of HT feeder panel's at Varangaon - Talwel Lift Irrigation Scheme Stage - 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking, Servicing, Repairing, Trial, Testing and commissioning of existing 10 Nos. Vacuum Circuit Breaker's 630A to 1250A, operating with respect to control logic circuit of respective HT Motor feeder panel's as well as Control and Relay panel, including vacuum bottle's checking, replacing if found faulty. Checking, replacing spring charging motor if found faulty, operation performing of Vacuum Circuit Breaker's manually as well as from respective panel without failure. Checking, repairing and replacing the damaged wiring if found faulty of Vacuum Circuit Breaker. Do the necessary required setting's, changes for performing Closing and Tripping operation properly with respect to time on NO-LOAD and FULL - LOAD condition upto satisfactorily results at site etc.	1	Job.	
<b>6</b>	<b>Checking and testing HT capacitor cubicle at Varangaon - Talwel Lift Irrigation Scheme Stage - 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			

	Item No. – 1 Checking and testing of HT capacitor cubicle, checking and replacing existing fuses if found blown out or burned, checking capacitor, cleaning isolator contacts by polish paper and CTS Chemical and After maintenance applying petroleum jelly or electrical contact grease to all copper contact, busbars, replacement of necessary hardware. Checking of emergency push button, if emergency push button found faulty then replacing it. checking operations need to operate freely.	1	Job.	
<b>7</b>	<b>Repairs of L.T. Panel at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 :- Checking, and testing of actuator starters on L.T. Panel	1	Job.	
	Item No. – 2 :- Checking of 32 amps, 63 amps and 100 amps switch fuse units and replacing H.R.C. fuses if found blown out or burn, rotary handles of switch fuse unit if found faulty or in non working condition.	1	Job.	
	Item No. – 3 :- Replacement of various terminal blocks if found damage and power cables of 2.5 sq.mm, 6 sq.mm, 10 sq.mm, 16 sq.mm if found damaged etc.	1	Job.	
	Item No. – 4 :- Cleaning and tightening of Bus bars of L.T. Panel, Replacing damaged gaskets of Doors of Panels, etc.	1	Job.	
<b>8</b>	<b>Overhauling of remote control panel and replacement of annunciators on RCP at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking and testing of rotary switches, push buttons, indicating lamps of Remote control panel.	1	Job.	
	Item No. – 2 Checking and repairing of control circuit of remote control panel, logic of control circuit etc..	1	Job.	
	Item No. – 3 Replacement of non working condition annunciators if found, which is mounted on Remote Control Panel.	1	Job.	
<b>9</b>	<b>Overhauling and repairs of BFV actuator &amp; its starter at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking cable between L.T. panel and BFV actuator no. 1 to 5, replacement burnt lugs ,nut bolt, bimetal washers, cleaning connection by etc.	5	Nos.	
	Item No. – 2 Checking various contactors and limit switches in BFV actuator no. 1 to 5. and replacing if found faulty.	5	Nos.	
	Item No. – 3 Checking and greasing, servicing of gear mechanism of BFV actuators no. 1 to 5	5	Nos.	
	Item No. – 4 Checking and servicing of actuator motor no. 1 to 5 ,rewinding if necessary etc	1	Job.	
	Item No. – 5 Checking and Replacement of damaged and non working Push buttons and indicating lamps and repairing damaged wiring of actuator motor no. 1 to 5.	1	Job.	
<b>10</b>	<b>Battery Charger Panel and D.C. Supply system to HT Feeder panels and control system etc. at Varangaon - Talwel Lift Irrigation Scheme Stage 1, Hatnur, Tal. Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking, repairing, cleaning by etc chemical, reapplying the blown out fuses, testing and commissioning of Battery Charger Panel and D.C. Supply system to HT Feeder panels and control system etc.	1	Job.	
	Item No. – 2 Checking gravity of Batteries, leveling of distilled water upto top up requirement, Checking D.C. supply cable from batteries to Battery charging panel. Replacing D.C. Supply from batteries to Battery charging panel if found faulty.	1	Job.	
	Item No. – 3 Replacing existing batteries of 55 cells if found faulty.	1	Set.	

<b>Varangaon - Talwel Lift Irrigation Scheme Stage 2 Pump House, Manpur, Tal. Bhusawal, Dist. Jalgaon.</b>				
<b>Sr.No.</b>	<b>Items of work (Grouped under Sub-heads or Sub-works of estimate.) Description of Work</b>	<b>Qty.</b>	<b>Unit</b>	<b>Total Rate Rs.</b>
<b>1</b>	<b>Repairs and Maintenance of various electrical equipments in the Pump House at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	<b>Overhauling of 6.6 kV, 1200 kW, 3ph, 50Hz H.T. Motors at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Dismantling of segregation box cover plate, Checking of IR values of motor windings, checking of IR values of HT cable, replacement burnt lugs, nut bolt, bimetal washers, Replacement of gaskets, cleaning connection by etc.	5	Nos.	
	Item No. – 2 Checking, Testing and Cleaning all equipment CT'S, PT'S, LA'S, insulating part cleaning by CTS Chemical, heat treatment by Heating Halogen Lamp for developing megger value. Cleaning all copper contact. After maintenance applying petroleum jelly to all copper contact, busbars, replacement of necessary hardware.	5	Nos.	
	Item No. – 3 :- Dismantling side cover of Drive End bearing & removing of old burned/un-usable Grease and cleaning it by kerosene. Applying Grease to bearing and bearing pocket, fixing bearing cover and filling grease by pressure Gun up to Top up.	5	Nos.	
	Item No. – 4 Dismantling side cover of Non Drive End bearing & removing of old burned/un-usable Grease and cleaning it by kerosene. Applying Grease to bearing and bearing pocket, fixing bearing cover and filling grease by pressure Gun up to Top up.	5	Nos.	
	Item No. – 5 Decouple Motor with pump stool, connect power and control cable for No -Load Trial, check freeness, balance and measure actual current. Program setting of motor protection relay. Checking value of motor current.	5	Nos.	
	Item No. – 6 Couple motor coupling with pump for load trial. check freeness, count rotation, balance and measure actual current.	5	Nos.	
	Item No. – 7 Checking, cleaning connections, calibrating and testing HT Motor winding RTD, bearing RTD, properly re-installed/re-connect and checking, repairing RTD related control circuit with respect to tripping of 5 Nos. HT Motors individually. (1 Motor = 1 job)	5	Job	
	Item No. – 8 Providing heat treatment by Heating Halogen Lamp for developing megger value of all 5 Nos.HT motor's., Disconnect the power cable's from motor and HT motor feeder panel's too. And Checking power cable IR value from Motor feeder panel's to HT motor. after checking if results are satisfactory then reconnect all the 5 Nos. power cable to HT motor side and HT motor feeder panel's side properly without any loose connections at site.	5	Job	
<b>2</b>	<b>Checking and Testing FCMA Neutral Soft Starter 1200kW, 3ph ,6600 volt, 50Hz Panel's at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking and Testing of FCMA Neutral Soft Starter 1200kW, 3ph ,6600 volt, 50Hz Panels. Replacement of damaged or non working Indicating lamps with new LED Indicating lamps as per existing colour indication. If at the time of checking and Testing in case any abnormalities observed then need to submit the Inspection report.	5	Job	
	Item No. – 2 Replacement of Damaged or Non working Ammeters of range 0-1800 A of suitable CTR (CT Ratio) by new Suitable range Analog or Digital Ammeter. Checking, Testing of CT's of FCMA panel's Ammeter and Checking the Current Drawn.	5	Job	

<b>3</b>	<b>HT Panel's at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	<b>Calibration of 6.6 KV HT Panel, indicating meters, protection CT's &amp; PT's and replacement faulty indicating lamps, HRC Fuses in H.T. Panel etc. at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Cleaning of all HT feeder Panels with blower and spray the CTC on contact of termination box of HT feeder panel's.	1	Job	
	Item No. – 2 Replacement of damaged or non-working ammeters on HT Panel with new Analog or Digital ammeter and will suitable to existing Ampere Range with respect to CTR (CT Ratio).	4	Nos.	
	Item No. – 3 Replacement of damaged or non-working voltmeters on HT Panel with new Analog or Digital Voltmeter and will suitable to existing Voltage Range.	4	Nos.	
	Item No. – 4 Checking, testing and Replacing if found faulty Current Transformer of suitable range of existing supply system in H.T. Panel and repairing or replacement of damaged wiring as per site condition.	1	Job	
	Item No. – 5 Checking, testing and Replacing if found faulty Potential Transformers in H.T. Panel and repairing or replacement of damaged wiring as per site condition.	1	Job	
	Item No. – 6 Replacement of faulty Indicating lamps with LED indicating lamps suitable to existing indicating colours.	1	Job	
	Item No. – 7 Replacement of blown out H.R.C. fuses of various ratings in Motor feeder panel's, Incomer Panel's, Bus coupler panel, Capacitor feeder Panel's of HT Feeder's and Remote control Panel.	1	Job	
	Item No. – 8 Checking and Calibration of kWH meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 9 Checking and Calibration of kVAR meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 10 Checking and Calibration of Ammeter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 11 Checking and Calibration of frequency meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 12 Checking and Calibration of Power factor meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 13 Checking and Calibration of Voltmeter meter and replacing if found faulty of HT feeder panel.	1	Job	
	Item No. – 14 Checking of various contactors and timers in control circuit and replacing if found faulty of HT Feeder Panel's.	1	Job	
	Item No. – 15 Checking, Testing and replacing if found blown out 7.2 kV, 10 amps PT fuse and replacement of burnt copper PT clamps.	1	Job	
	Item No. – 16 Checking, Testing and replacing if found blown out 7.2 kV, 80 amps PT fuse and replacement of burnt copper PT clamps.	1	Job	
<b>4</b>	<b>Testing of all relays on HT/LT panel by secondary injection kit, Supplying and replacing Faulty relays at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Testing of Motor protection relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	

	Item No. – 2 Testing of Under voltage relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. – 3 Testing of Trip circuit supervision relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. 4 Testing of Tripping relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. 5 Testing of Overcurrent and Earth fault relay by secondary injection kit of HT Feeder panel's etc.	1	Job.	
	Item No. 6 Checking and testing of control wiring of Incomer 1 & 2, Bus coupler, Motor feeders and capacitor feeder and replacement of damaged wiring terminals, CT terminals, control contactors and Timers. Checking of Logic of the Motor feeders and Incomer feeders, Bus Coupler, Capacitor feeders and trial and testing of logic control circuit of all HT Feeder panel's with operations of all 5 Nos. HT motor's on NO-LOAD and On FULL-LOAD condition upto satisfactorily results at site etc.	1	Job.	
	Item No. 7 Replacement of Motor protection relays if found faulty.	2	Nos.	
	Item No. 8 Replacement of Under Voltage relays if found faulty.	2	Nos.	
	Item No. 9 Replacement of Trip Circuit Supervision relays if found faulty.	2	Nos.	
	Item No. 10 Replacement of Tripping relays if found faulty.	2	Nos.	
	Item No. 11 Replacement of Overcurrent and Earth fault relay if found faulty.	2	Nos.	
5	<b>Checking, Servicing, Repairing, Trial, Testing and commissioning of all existing Vacuum Circuit Breaker's of HT feeder panel's at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking, Servicing, Repairing, Trial, Testing and commissioning of existing 10 Nos. Vacuum Circuit Breaker's 630A to 1250A, operating with respect to control logic circuit of respective HT Motor feeder panel's as well as Control and Relay panel, including vacuum bottle's checking, replacing if found faulty. Checking, replacing spring charging motor if found faulty, operation performing of Vacuum Circuit Breaker's manually as well as from respective panel without failure. Checking, repairing and replacing the damaged wiring if found faulty of Vacuum Circuit Breaker. Do the necessary required setting's, changes for performing Closing and Tripping operation properly with respect to time on NO-LOAD and FULL - LOAD condition upto satisfactorily results at site etc.	1	Job.	
6	<b>Checking and testing HT capacitor cubicle at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking and testing of HT capacitor cubicle, checking and replacing existing fuses if found blown out or burned, checking capacitor, cleaning isolator contacts by polish paper and CTS Chemical and After maintenance applying petroleum jelly or electrical contact grease to all copper contact, busbars, replacement of necessary hardware. Checking of emergency push button, if emergency push button found faulty then replacing it. checking operations need to operate freely.	1	Job.	
7	<b>Repairs of L.T. Panel at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 :- Checking, and testing of actuator starters on L.T. Panel	1	Job.	

	Item No. – 2 :- Checking of 32 amps, 63 amps and 100 amps switch fuse units and replacing H.R.C. fuses if found blown out or burn, rotary handles of switch fuse unit if found faulty or in non working condition.	1	Job.	
	Item No. – 3 :- Replacement of various terminal blocks if found damage and power cables of 2.5 sq.mm, 6 sq.mm, 10 sq.mm, 16 sq.mm if found damaged etc.	1	Job.	
	Item No. – 4 :- Cleaning and tightening of Bus bars of L.T. Panel, Replacing damaged gaskets of Doors of Panels, etc.	1	Job.	
<b>8</b>	<b>Overhauling of remote control panel and replacement of annunciators on RCP at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking and testing of rotary switches, push buttons, indicating lamps of Remote control panel.	1	Job.	
	Item No. – 2 Checking and repairing of control circuit of remote control panel, logic of control circuit etc..	1	Job.	
	Item No. – 3 Replacement of non working condition annunciators if found, which is mounted on Remote Control Panel.	1	Job.	
<b>9</b>	<b>Overhauling and repairs of BFV actuator &amp; its starter at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking cable between L.T. panel and BFV actuator no. 1 to 5, replacement burnt lugs ,nut bolt, bimetal washers, cleaning connection by etc.	5	Nos.	
	Item No. – 2 Checking various contactors and limit switches in BFV actuator no. 1 to 5. and replacing if found faulty.	5	Nos.	
	Item No. – 3 Checking and greasing, servicing of gear mechanism of BFV actuators no. 1 to 5	5	Nos.	
	Item No. – 4 Checking and servicing of actuator motor no. 1 to 5, rewinding if necessary etc	1	Job.	
	Item No. – 5 Checking and Replacement of damaged and non working Push buttons and indicating lamps and repairing damaged wiring of actuator motor no. 1 to 5.	1	Job.	
<b>10</b>	<b>Battery Charger Panel and D.C. Supply system to HT Feeder panels and control system etc. at Varangaon - Talwel Lift Irrigation Scheme Stage 2, Manpur, Tal Bhusawal, Dist. Jalgaon.</b>			
	Item No. – 1 Checking, repairing, cleaning by etc chemical, replacing the blown out fuses, testing and commissioning of Battery Charger Panel and D.C. Supply system to HT Feeder panels and control system etc.	1	Job.	
	Item No. – 2 Checking gravity of Batteries, leveling of distilled water upto top up requirement, Checking D.C. supply cable from batteries to Battery charging panel. Replacing D.C. Supply from batteries to Battery charging panel if found faulty.	1	Job.	
	Item No. – 3 Replacing existing batteries of 55 cells if found faulty.	1	Set.	

**Note :-** 1) The above rate quoted should be inclusive of all taxes applicable but must be mention separately, loading, unloading  
2) Rates called for estimation purpose only.  
3) details notice are available on [www.mahayantriki.gov.in](http://www.mahayantriki.gov.in)

No. MDUJ / TS / 741/2021  
Office of The Executive Engineer  
Mechanical Divisional Unit  
Jalgaon.  
Date :- 24 /08/2021  
Email Id - eessdc@gmail.com  
Tel. No. 0257-2260770

**SD/-**  
**Executive Engineer,**  
**Mechanical Divisional Unit,**  
**Jalgaon.**