

GREATER NOIDA INDUSTRIAL DEVELOPMENT AUTHORITY
PLOT NO.-1, SECTOR KP-IV, GREATER NOIDA

Ref: Proj./WC-Ganga jal/2024/17

Dated: 20/06/2024

NAME OF WORK: CAMC Electrical, Mechanical and Instrumental work of MR , AR 1,3,4 and ZR 1,2,3,4,5,6,7,8,9,10,11,15&19 in Greater noida.

QUOTATION NOTICE FOR PRICE DISCOVERY

Sealed quotations are hereby invited by the undersigned for the work of CAMC Electrical, Mechanical and Instrumental work of MR, AR-1, 3, 4 and ZR 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15 & 19 in Greater noida. upto 3.00 P.M. on dated 01.07.2024 and shall be opened on the same day at 3.30 P.M.

S. No.	Description	Qty.	Unit	Unit Rate	Amount
1	Maintenance of Submersible pump including all loading - unloading , testing and commissioning caring from site to workshop & back to site etc. with CI casing, CF8 M impeller , SS 410 shaft CI casing wearing ring & bearing bush, TC/ SIC mechanical seal, SS strainer etc suitable for 3 phase, 415 V, 50 Hz, AC supply, submersible motor having TEFC enclosure with class H/F insulation as per specs and IP 68 protection. The pump shall be operated at suitable rpm as per data sheet. The scope includes all required accessories viz. automatic coupling device,G.I guide pipe, chain with shackle , flat/ round submersible cable upto starter panel through suitable size G.I. pipe with necessary electrical connection with the starter panel and as per specifications complete in all respect as per direction of E/I .				
1.1	160 KW Motor Rating (KSB & AQUA)				
A	Supply/Replacement Motor Winding	1	Nos.		
B	S/R Impeller	1	Nos.		
C	S/R Pump Cable (approx. 20 mtr)	1	Job		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job		
1.2	110 KW Motor Rating (KSB & AQUA)				

A	S/R Motor Winding	1	Nos.		
B	S/R Impeller	1	Nos.		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job		
1.3	90 KW Motor Rating (KSB & AQUA)				
A	S/R Motor Winding	1	Nos.		
B	S/R Impeller	1	Nos		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
1.4	75 KW Motor Rating (KSB & AQUA)				
A	S/R Motor Winding	1	Nos.		
B	S/R Impeller	1	Nos.		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job		
1.5	37 KW Motor Rating (KSB & AQUA)				
A	S/R Motor Winding	1	Nos.		
B	S/R Impeller	1	Nos		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		

F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
1.6	30 KW Motor Rating (KSB & AQUA)				
A	S/R Motor Winding	1	Nos.		
B	S/R Impeller	1	Nos		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
1.7	5.5 KW Motor Rating (KSB & AQUA)				
A	S/R Motor Winding	1	Nos		
B	S/R Impeller	1	Nos.		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
1.8	3.7 KW Motor Rating (KSB & AQUA)				
A	S/R Motor Winding	1	Nos		
B	S/R Impeller	1	Nos		
C	S/R Pump Cable (approx. 20 mtr)	1	Job.		
D	S/R Shaft	1	Nos.		
E	S/R Mechanical seal	1	Nos.		
F	S/R bearing bush	1	Nos.		
G	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2	Maintenance of Motor Operated double flanged, C.I. Sluice Valve including all loading - unloading , testing and commissioning caring from site to workshop& back to site. complete in all respect as per direction of E/I .				
2.1	1400 mm Sluice Valve (IVC & KIRLOSKAR)				

A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.2	1000 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.3	700 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos		
B	S/R Shaft	1	Nos		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.4	600 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.5	500 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos		
B	S/R Shaft	1	Nos		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.6	450 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.7	400 mm Sluice valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.8	350 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.9	300 mm Sluice Valve (IVC & KIRLOSKAR)				

A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.10	250 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.11	200 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
2.12	150 mm Sluice Valve (IVC & KIRLOSKAR)				
A	S/R Motorizing Actuator	1	Nos.		
B	S/R Shaft	1	Nos.		
C	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
3	Maintenance of Cast iron double flanged multi Door Swing Non-Return Valve or Check Valve including all loading - unloading , testing and commissioning caring from site to workshop & back to site . complete in all respect as per direction of E/I .				
3.1	700 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
3.2	500 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
3.3	450 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (Quarterly as when required .)	1	Job.		
3.4	400 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
3.5	350 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
3.6	300 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (Quarterly & as when required .)	1	Job.		
3.7	200 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
3.8	150 mm Check Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance (quarterly & as when	1	Job.		

	required .)				
4	Maintenance of C.I. double acting kinetic Air Valve including all loading - unloading , testing and commissioning caring from site to workshop& back to site valve . complete in all respect as per direction of E/I .				
4.1	200 mm Kinetic Air Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance(quarterly & as when required .)	1	Job.		
4.2	150 mm Kinetic Air Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance(quarterly & as when required .)	1	Job.		
4.3	100 mm Kinetic Air Valve (IVC & KIRLOSKAR)				
A	Preventive Maintenance(quarterly & as when required .)	1	Job.		
5	Maintenance of Electromagnetic type flow meter including all loading - unloading , testing and commissioning caring from site to workshop& back to site with indiactor, transmitter and totaliser with all accessories and, hardwares, etc.complete in all respects.				
5.1	1400 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos.		
B	Preventive Maintenance(quarterly & as when required .)	1	Job		
5.2	1000 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance(quarterly & as when required .)	1	Job.		
5.3	700 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance(quarterly & as when required .)	1	Job.		
5.4	450 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance(quarterly & as when required .)	1	Job		
5.5	400 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance(quarterly & as when required .)	1	Job.		
5.6	200 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance(quarterly & as when required .)	1	Job.		
5.7	150 mm Flow Meter (SIEMENS)				
A	S/R Flow Meter Sensor	1	Nos		

B	Preventive Maintenance(quarterly & as when required .)	1	Job.		
6	Maintenance of Metallic Expansion Joint including all loading - unloading , testing and commissioning caring from site to workshop& back to site etc. with necessary supports & anchoring and including nuts, bolts and hardware, loading and unloading joint. complete in all respect as per direction of E/I .				
6.1	700 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
6.2	500 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
6.3	450 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
6.4	400 mm Expansion Joint				
A	Preventive Maintenance (quarterly& as when required .)	1	Job.		
6.5	350 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job..		
6.6	300 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
6.7	200 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
6.8	150 mm Expansion Joint				
A	Preventive Maintenance (quarterly & as when required .)	1	Job.		
7	Maintenance of fully electrically operated hoist including all loading - unloading , testing and commissioning caring from site to workshop& back to site .geared trolley, gantry girder, brake, safety device, locking arrangement, limit switch, pendant push button, starter panel, cables,and other required accessories . complete in all respect as per direction of E/I .				
7.1	5.0 Ton E.O.T Crane/Hoist (SAFEX & BRADY)				
A	S/R Motor Winding	1	Nos.		
B	Pully	1	Nos.		
C	S/R Shaft	1	Nos.		
D	S/R Guide Rope	1	Nos.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
7.2	3.0 Ton E.O.T Crane/Hoist (SAFEX & BRADY)				

A	S/R Motor Winding	1	Nos.		
B	S/R Pulley	1	Nos.		
C	S/R Shaft	1	Nos.		
D	S/R Guide Rope	1	Nos.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
7.3	2.0 Ton E.O.T Crane/Hoist (SAFEX & BRADY)				
A	S/R Motor Winding	1	Nos.		
B	S/R Pulley	1	Nos.		
C	S/R Shaft	1	Nos.		
D	S/R Guide Rope	1	Nos.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
7.3	1.0 Ton E.O.T Crane/Hoist (SAFEX & BRADY)				
A	S/R Motor Winding	1	Nos.		
B	S/R Pulley	1	Nos.		
C	S/R Shaft	1	Nos.		
D	S/R Guide Rope	1	Nos.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
8	Maintenance of vacuum control floor mounted gas chlorinator system including all loading - unloading , testing and commissioning caring from site to workshop& back to site . including necessary fittings, clamp, copper pipe, ferule filter & control valve with injector with required booster pump, set of diffuser entire associated water & chlorine solution piping up to diffuser etc, valves, automatic change over ,Chlorine absorption system, safety & testing kit, etc. complete in all respect as per specs & as per following capacity including loading and unloading complete in all respect as per direction of E/I .				
8.1	Capacity : 3 x 25 kg/hr (METITO)				
8.2	Capacity : 2 x 5 kg/hr (METITO)				
A	Tonner Gas Filling(900 kg)	1	Nos.		
B	Tonner Gas Filling(100 kg)	1	Nos.		
C	FRC Analyser	1	Nos.		
D	Electrical Panel and All Accessories	1	Job.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
ELECTRICAL WORK					
9	Maintenance of 33 kV & 11 kV 1000 MVA, 400 A, indoor, drawout type Three HT Vacuum Circuit Breaker Panel (1 Incomer + 2 outgoing) with CT and PT including all				

	loading - unloading , testing and commissioning cashing from site to workshop& back to site etc. PT appropriate rating for metering and protection along with required Indicating lamps, protection relay and Indicating meters, etc. complete in all respects as per IS, Specification including loading and unloading. complete in all respect as per direction of E/I .			
9.1	HT Indoor Switch Gear Panel- 33KV (C G)			
A	S/R CT/PTC	1	Nos.	
B	S/R HT Fuse & MCB	1	Nos.	
C	S/R Cable Joint Kit	1	Nos.	
D	S/R Ptotective Relay	1	Nos.	
E	S/R Electronic Relay	1	Nos.	
F	S/R Circuit Breaker	1	Nos.	
G	S/R Auxillary Contactor	1	Nos.	
H	Preventive Maintenance (quarterly & as when required .)	1	Job.	
9.2	HT Indoor Switch Gear Panel- 11Kv (C G)			
A	S/R CT/PT	1	Nos.	
B	S/R HT Fuse & MCB	1	Nos.	
C	S/R Cable Joint Kit	1	Nos.	
D	S/R Ptotective Relay	1	Nos.	
E	S/R Electronic Relay	1	Nos.	
F	S/R Circuit Breaker	1	Nos.	
G	S/R Auxillary Contactor	1	Nos.	
H	Preventive Maintenance (quarterly & as when required .)	1	Job.	
10	Maintenance of 33000 / 433 Volts, 2000 kVA, ONAN, Dyn-11, continuous duty type step-down transformer with on load tap change including all loading - unloading , testing and commissioning cashing from site to workshop& back to site etc, with other standard fittings, accessories and along with required foundation for transformer including loading and unloading. complete in all respect as per direction of E/I .			
10.1	2000KVA Distribution Transformer(VOITAMP)			
A	Dehydration	1	Nos	
B	Oil Filtration	1	Nos	
C	S/R Protective Relay	1	Nos	
D	S/R Bus- Bar (3200 amp.)	1	Nos	
E	S/R Silica Gel Breather	1	Nos	
F	Preventive Maintenance (quarterly & as when	1	Job.	

	required .)				
10.2	630 KVA Distribution Transformer (NGEF)				
A	Dehydration	1	Nos.		
B	Oil Filtration	1	Nos		
C	S/R Protective Relay	1	Nos		
D	S/R Silica Gel Breather	1	Nos		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
10.3	400 KVA Distribution Transformer (NGEF)				
A	Dehydration	1	Nos.		
B	Oil Filtration	1	Nos.		
C	S/R Protective Relay	1	Nos.		
D	S/R Silica Gel Breather	1	Nos.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
10.4	315 KVA Distribution Transformer (NGEF)				
A	Dehydration	1	Nos.		
B	Oil Filtration	1	Nos		
C	S/R Protective Relay	1	Nos		
D	S/R Silica Gel Breather	1	Nos		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
10.5	250 KVA Distribution Transformer (NGEF)				
A	Dehydration	1	Nos		
B	Oil Filtration	1	Nos.		
C	S/R Protective Relay	1	Nos.		
D	S/R Silica Gel Breather	1	Nos		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
11	Maintenance of Indoor floor mounted totally enclosed including all loading - unloading , testing and commissioning caring from site to workshop& back to site etc compartmentalized, extendable type PCC / PMCC / MCC Cubicle Panel Board having 36 MVA, 50 kA breaking capacity of suitable size fabricated from CRCA steel of 2 mm thick for frame work, enclosure and doors, 3 mm thick for gland plates with stiffeners wherever required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated, with suitable electrolytic				

	grade high conductivity PVC sleeved aluminium (E91-E) busbars shall be sized for maximum 0.8 A/mm ² current density, extensible type. complete in all respect as per direction of E/I . Make L&T, ABB, Schneider			
11.1	Medium Voltage Panel			
A	Air Circuit Breaker (ACB)			
	S/R Air Circuit Breaker (3200 amp.)	1	Nos.	
	S/R Air Circuit Breaker (1600 amp.)	1	Nos.	
	S/R Air Circuit Breaker (1000 amp.)	1	Nos.	
	S/R Air Circuit Breaker (830 amp.)	1	Nos.	
	S/R Air Circuit Breaker (630 amp.)	1	Nos.	
B	MCCB			
	S/R 530 amp.	1	Nos.	
	S/R 500 amp.	1	Nos.	
	S/R 400 amp.	1	Nos.	
	S/R 315 amp.	1	Nos.	
	S/R 200 amp.	1	Nos.	
	S/R 160 amp.	1	Nos.	
	S/R 125 amp.	1	Nos.	
	S/R 100 amp.	1	Nos.	
	S/R 63 amp.	1	Nos.	
C	Variable Frequency Drive(VFD)			
	S/R 110 KW	1	Nos.	
D	Soft Starter			
	S/R 200 kW	1	Nos.	
	S/R 180 KW	1	Nos.	
	S/R 132 KW	1	Nos.	
	S/R 110 KW	1	Nos.	
	S/R 90 KW	1	Nos.	
	S/R 45 KW	1	Nos.	
	S/R 37 KW	1	Nos.	
E	Fuses & MCB	1	Nos.	
F	Protective Relay	1	Nos.	
G	Digital Multimeter	1	Nos.	
H	Electronic Accessories	1	Job.	
I	Preventive Maintenance (quarterly as when required .)	1	Job.	

12	Maintenance of Indoor floor mounted totally enclosed including all loading - unloading , testing and commissioning caring from site to workshop& back to site etc, compartmentalized type APFC Cubicle Panel Board having 36 MVA breaking capacity of suitable size fabricated from CRCA steel of 2 mm thick for frame work, enclosure and doors, 3 mm thick for gland plates with stiffeners wherever required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated, with suitable electrolytic grade high conductivity PVC sleeved aluminium (E91-E) busbars shall be sized for maximum 0.8 A/mm ² current density, extensible type, DMC/SMC , complete in all respect as per direction of E/I L&T, ABB, Schneider .			
12.1	APFC Panel			
A	Capacitor Bank			
	S/R 75 KVAR	1	Nos.	
	S/R 65 KVAR	1	Nos.	
	S/R 50 KVAR	1	Nos.	
	S/R 30 KVAR	1	Nos.	
	S/R 20 KVAR	1	Nos.	
	S/R 15 KVAR	1	Nos.	
	S/R 10 KVAR	1	Nos.	
	S/R 05 KVAR	1	Nos.	
B	Fuses & MCB	1	Nos.	
C	Protective Relay	1	Nos.	
D	Digital Multimeter	1	Nos.	
E	Electronic Accessories	1	Job.	
F	Preventive Maintenance (quarterly & as when required .)	1	Job.	
13	MAINTENANCE OF DIESEL GENERATOR WITH ENGINE, ALTERNATOR & DG CONTROLLER SET, including all loading - unloading , testing and commissioning caring from site to workshop& back to site etc. complete in all respect as per direction of E/I .			
13.1	1000 KVA (CUMMINS)			
A	Filter Lubricating Oil	1	Nos	
B	S/R Element air cleaner	1	Nos.	
C	Radiator	1	Nos.	

D	S/R Belt	1	Nos		
E	Fuel Filter	1	Nos		
F	S/R Gas Kit Cylinder Head	1	Nos		
G	S/R Battery pulse lite	1	Nos.		
H	Indicator Restriction	1	Nos		
I	S/R Electronic Accessories	1	Job.		
J	Preventive Maintenance (quarterly & as when required .)	1	Job.		
k	Separator Fuel water	1	Nos.		
13.2	400 KVA (CUMMINS)				
A	Filter Lubricating Oil	1	Nos		
B	S/R Filter Element air cleaner	1	Nos		
C	Radiator	1	Nos		
D	S/R Belt	1	Nos		
E	S/R Fuel Filter	1	Nos		
F	S/R Gas Kit Cylinder Head	1	Nos		
G	S/R Battery pulse lite	1	Nos		
H	Indicator Restriction	1	Nos.		
I	S/R Electronic Accessories	1	Nos.		
J	Preventive Maintenance (quarterly & as when required .)	1	Job.		
K	Separator Fuel water	1	Nos.		
13.3	315 KVA (CUMMINS)				
A	Filter Lubricating Oil	1	Nos		
B	S/R Filter Element air cleaner	1	Nos		
C	Radiator	1	Nos.		
D	S/R Belt	1	Nos		
E	S/R Fuel Filter	1	Nos		
F	S/R Gas Kit Cylinder Head	1	Nos		
G	S/R Battery pulse lite	1	Nos.		
H	Indicator Restriction	1	Nos		

I	S/R Electronic Accessories	1	Job.		
J	Preventive Maintenance (quarterly & as when required .)	1	Job.		
k	Separator Fuel water	1			
13.4	250 KVA (CUMMINS)		Nos.		
A	Filter Lubricating Oil	1	Nos		
B	S/R Filter Element air cleaner	1	Nos.		
C	Radiator	1	Nos.		
D	S/R Belt	1	Nos.		
E	S/R Fuel Filter	1	Nos.		
F	S/R Gas Kit Cylinder Head	1	Nos.		
G	S/R Battery pulse lite	1	Nos.		
H	Indicator Restriction	1	Nos.		
I	S/R Electronic Accessories	1	Job.		
J	Preventive Maintenance (quarterly & as when required .)	1	Job.		
k	Separator Fuel water				
14	Maintenance of PLC-SCADA system including Instrument control Panel, PC based HMI along with 19" colour LED Screen, 2 nos.42" wall mounted type LCD Screen, Industrial grade Ethernet switch, Required programming / SCADA/Application Software, A3 Size Laser Printer, GSM-GPRS / Broadband based communication for Remote Data Transmission including all loading - unloading , testing and commissioning caring from site to workshop& back to site , 4TB data backup device,Min. 2 kVA UPS (with 30 min backup alongwith suitable rating SMF batteries & battery charger and all other accessories as per standard), etc. complete in all respects and as per specifications. PLC shall have I/O count of 168 DI / 64 DO / 40 AI / 8AO. complete in all respect as per direction of E/I .				
14.1	PLC / SCADA FOR CONTROL ROOM (SIEMENS)				
A	S/R Pressure Transmitter	1	Nos.		
B	S/R Pressure Switch	1	Nos.		
C	S/R Ultrasonic Type Level Transmitter with Indicator	1	Nos.		
D	S/R Flowmeter Sensor	1	Nos.		
E	S/R Protective Relay & MCB	1	LOT		

F	S/R HMI Display	1	Nos.		
G	S/R UPS Inverter	1	Nos.		
H	S/R GSM- GPRS Broadband Base Communication System	1	Nos.		
I	S/R LCD Screen	1	Nos.		
J	Preventive Maintenance (quarterly & as when required .)	1	Job.		
MECHANICAL & INSTRUMENT WORK ,					
16	Maintenance of single girder electrically operated hoist, geared trolley, brake, safety device, locking arrangement, limit switch, pendant push button, starter panel, cables, and other required accessories including all loading - unloading , testing and commissioning caring from site to workshop & back to site etc. complete in all respect as per direction of E/I .				
16.1	Capacity : 1.0 Ton (SAFEX & BRADY)				
A	S/R Motor Winding	1	Nos		
B	S/R Pully	1	Nos.		
C	S/R Shaft	1	Nos		
D	S/R Guide Rope	1	Nos.		
E	Preventive Maintenance (quarterly & as when required .)	1	Job.		
17	Maintenance of Electromagnetic type flow meter with indiactor, transmitter and totaliser with all accessories and, hardware's including all loading - unloading , testing and commissioning caring from site to workshop & back to site etc. complete in all respect as per direction of E/I . MAKE (SIEMENS)				
17.1	100 mm Flow Meter				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance (quarterly & as when required .)	1	Nos.		
17.2	150 mm Flow Meter				
A	S/R Flow Meter Sensor	1	Nos.		
B	Preventive Maintenance (quarterly & as when required .)	1	Job.		
17.3	200 mm Flow Meter				
A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance (quarterly & as when required .)	1	Job.		
17.4	250 mm Flow Meter				

A	S/R Flow Meter Sensor	1	Nos		
B	Preventive Maintenance (quarterly & as when required .)				
17.5	300 mm Flow Meter		Nos.		
A	S/R Flow Meter Sensor	1	Nos.		
B	Preventive Maintenance (quarterly & as when required .)	1	Job.		
18	Maintenance of PLC Based Instrument control Panel with 5.5" monochrome HMI with Keypad, GSM-GPRS Broadband facility for Remote Data Transmission facility, Min. 1 kVA UPS (with 30 min backup along with suitable rating SMF batteries along with battery charger and all other accessories including all loading - unloading , testing and commissioning caring from site to workshop& back to site etc. complete in all respects as per specification . PLC having I/O count of 8 DI / 4DO / 4AI / 0AO. complete in all respect as per direction of E/I . (SIEMENS)				

A	S/R PLC / HMI FOR CONTROLLING	1	LOT		
B	S/R Ultrasonic Type Level Transmitter with Indicator	1	Nos.		
C	S/R FRC Analyser	1	Nos.		
D	Preventive Maintenance (quarterly & as when required.)		Job.		


19	PLC BASED, CBR -MMS INTEGRATED WATER TREATMENT AS PER BIS 10500-2012 complete in all respect as per direction of E/I .				
A	Maintenance of Sodium Hypochlorite Dosing system which are based on PLC & CBR MMS for the automatic dosing of chemical for water treatment including all loading - unloading , testing and commissioning caring from site to workshop & back to site .	1	Nos.		

Note :-

1. The rate provided by company shall be basic rate without GST.
2. No T&P / Manpower shall be supplied by the department.
3. No extra payment shall be paid by the department.
4. The quotation shall be received on email id : sm.workcircle.jal@gnida.in or by hand in work circle – JAL Office personally .
5. For any kind information regarding quotation , please contact the office on working day.
6. The validity of quotation/ Basic rate shall be six month.

Copy to:-

1. G.M. (jal) for information please
2. Notice board
3. Manager / Asstt. Manager (WC- ganga jal E&M) for necessary action.
4. System Department for uploading on website.
5. M/s.....


(A P Verma)
SR. MANAGER (WC-ganga jal)



SR. MANAGER (WC-ganga jal)
