

Government eProcurement System Created By: Keishing Honpam Created Date/Time: 24-Feb-2020 03:35 PM Tender Title: Replacement of old water treatment plant at Tezpur Airport. Tender ID: 2020_AAI_41834_1												
Tender Inviting Authority: Asst. General Manager (Engg-Elect), RHQ, NER, Guwahati.												
Name of Work: Replacement of old Water Treatment Plant at Tezpur Airport.												
Contract No: 2020_AAI_41834_1												
SCHEDULE OF WORK / ITEM(S)												
SI.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Taurus Industries		Hygienic World		Grey Water Solutions Private Limited			
					Rate	Amount	Rate	Amount	Rate	Amount	L1 Amount	L1 Vendor
1.00	SH-I SITC WORK AT AIRPORT SITE											
2.00	Design, Supply, Installation, testing and Commissioning of Heavy duty Electronic Dosing Pump set with Charging of Liquid Chlorin and Soda Ash of required grade including non-return valve tubing and related piping between dosing pumps to water storage tank etc. complete as per site requirement.											
3.00	a) Automatic Chlorine Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for Disinfection comprising of as specified as under. Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of liquid chlorine of required grade. Suction & Discharge Tubing: 6/8 mm OR 4/6 mm diameter UVPC. Electrical: 230 volts AC (+/-10%) 50 HZ Dosing rate: 15 Liters per Hour at 4-5 kg/cm2 Strokes/Minute: min 60/50 to max 400-500 Valves & Fittings & Accessories: 1 Lot	1.00	No	0.00	40000.00	40000.00	35000.00	35000.00	27500.00	27500.00	27500.00	Grey Water Solutions Private Limited
4.00	b) Automatic Soda Ash Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for PH correction comprising of as specified as under: Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of soda ash liquid of required grade. Electrical: 230 volts AC (+/-10%) 50 HZ Suction & Discharge Tubing: 6/8 mm OR 4/6 mm diameter UVPC. Dosing rate: 15 Litres per Hour at 4-5 kg/cm2 Strokes/Minute: min 60/50 to max 400-500 Fuse: 600 mA or as per OEM PH Value maintaining capability: 7 to 7.5 Valves & Fittings & Accessories: 1 Lot	1.00	No	0.00	40000.00	40000.00	35000.00	35000.00	27500.00	27500.00	27500.00	Grey Water Solutions Private Limited

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					Rate	Amount	Rate	Amount	Rate	Amount		
5.00	Supplying, Installation & Commissioning of Iron Removal Filter of 15 m3/h, vertical cylindrical type, FRP vessel including pipeline 80 mm dia, valves of suitable size filled with filter media alongwith making suitable RCC Platform. The shell thickness shall be of min 10 mm. The shell shall also be provided with adequate size of air vent line as required. MOC: FRP,COMPOSITE STRUCTITAL Flow rate: 15 M3/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 1200 mm dia. X 2400 mm height Pipe Line Size: 80 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of pipeline: UPVC. No. of Valves: As per site requirement/Direction of E-I-C.. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification. FRP vessel with Manhole ,Handhole and Bed Plate facility : As per OEM Design Opening : 6" Top & Bottom flanged Flanged Strainers : Top-Bottom HUB Lateral dual type Strainer Base : FRP Tripod Filter Media : MNO2 lumps, Anthracite, 16/32 mesh Barakar sand, Fine sand, Gravels and Pebbles 3 Grades Aeration Valve: Provided for air purging. Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1.00	Job	0.00	248000.00	248000.00	280000.00	280000.00	360000.00	360000.00	248000.00	Taurus Industries
6.00	Overhauling of existing Filter comprising of as specified as under: (a) Unloading of media from the vessels of existing filter. (b) Cleaning of the vessels, Painting inside with epoxy/zinc chromate and outside of the vessel with sy. enamelled paint. (c) Supply & loading of new charge of Sand,Silex, Pebbles, Zeofil, Gravel etc for existing filter-1 Lot (d) Supply & Installation of Rubber Packing, Nuts & Bolts-1 Lot (e) Replacement or Provision of defective /Unserviceable Service/Back wash/Aeration valve, Pressure Guage, Pipe Lines, Base for Vessels etc.	1.00	Job	0.00	128000.00	128000.00	80000.00	80000.00	65000.00	65000.00	65000.00	Grey Water Solutions Private Limited

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					Rate	Amount	Rate	Amount	Rate	Amount		
13.00	Annual Maintenance Contract of Iron removal water Plant consisting of PFOC, IRF, ACF, Chlorine Dozer, Soda Ash Doser, Motor pump etc. by deploying of manpower for carrying out Monthly Preventive Maintenance, Attending Unlimited breakdown call, repairing of leakages, backwash, maintaining maintenance record/report, data compilation, Conducting of both Raw and Treated water quality test from Govt. Laboratories/Approved labs once in every month, replacing the damaged parts like Valves, Guage, Pipe Lines and other minor part and carrying out Quaterly/Semi-Annually/Annual maintenance of all installed units related to Iron removal Plant, safe disposal of spent media, back wash waste water. The Annual Comprehensive maintenance contract shall start after the completion of DLP of 1 year.											
14.00	For 1st year	1.00	Annum	0.00	108000.00	108000.00	144000.00	144000.00	132000.00	132000.00	108000.00	Taurus Industries
15.00	For 2nd Year (including Change of Filter media)	1.00	Annum	0.00	160000.00	160000.00	144000.00	144000.00	226000.00	226000.00	144000.00	Hygienic World
16.00	For 3rd Year	1.00	Annum	0.00	135000.00	135000.00	144000.00	144000.00	132000.00	132000.00	132000.00	Grey Water Solutions Private Limited
17.00	SH-III : SITC WORK AT COLONY SITE											
18.00	Design, Supply, Installation, testing and Commissioning of Heavy duty Electronic Dosing Pump set with Charging of Liquid Chlorin and Soda Ash of required grade including non-return valve tubing and related piping between dosing pumps to water storage tank etc. complete as per site requirement.											
19.00	a) Automatic Chlorine Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for Disinfection comprising of as specified as under: Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of liquid chlorine of required grade. Electrical: 230 volts AC (+/-10%) 50 HZ Suction & Discharge Tubing : 6/8 mm OR 4/6 mm diameter UVPC. Dosing rate: 8 Litres per Hour at 4-5 kg/cm2 Strokes/Minute: min 60/50 to max 400-500 Fuse: 600 mA or as per OEM Valves & Fittings & Accessories: 1 Lot	1.00	No	0.00	26000.00	26000.00	35000.00	35000.00	15000.00	15000.00	15000.00	Grey Water Solutions Private Limited

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					Rate	Amount	Rate	Amount	Rate	Amount		
20.00	b) Automatic Soda Ash Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for PH correction comprising of as specified as under: Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of soda Ash liquid of required grade. Electrical: 230 volts AC (+/-10%) 50 HZ Suction & Discharge Tubing: 6/8 mm OR 4/6 mm diameter UVPC. Dosing rate: 8 Litres per Hour at 4-5 kg/cm2 Strokes/Minute: min 50/60-max 500 Fuse: 600 mA or as per OEM PH Value maintaining capability: 7 to 7.5 Valves & Fittings & Accessories: 1 Lot	1.00	No	0.00	26000.00	26000.00	35000.00	35000.00	15000.00	15000.00	15000.00	Grey Water Solutions Private Limited
21.00	Supplying, Installation & Commissioning of Iron Removal Filter of 8 m3/h, vertical cylindrical type, FRP vessel including pipeline 50mm dia, valves of suitable size filled with filter media alongwith making suitable RCC Platform. The shell thickness shall be of 10 mm. The shell shall also be provided with adequate size of air vent line as required. MOC: FRP,COMPOSITE. Flow rate: 8 M3/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 900 mm X 1800 mm. Pipe Line Size: 50 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of pipeline: UPVC. No. of Valves: As per site requirement/Direction of E-I-C.. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification FRP vessel with Manhole ,Handhole and Bed Plate facility : As per OEM Design Opening : 4” Top & Bottom Threaded Threaded Strainers : Top-Bottom HUB Lateral dual type Strainer Base : FRP Tripod Filter Media : MNO2 lumps, Anthracite, 16/32 mesh Barakar sand, Fine sand, Gravels and Pebbles 2 Grades (better) Aeration Valve: Provided for air purging. Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1.00	Job	0.00	205115.00	205115.00	160000.00	160000.00	275000.00	275000.00	160000.00	Hygienic World

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					Rate	Amount	Rate	Amount	Rate	Amount		
22.00	Overhauling of existing Filter comprising of as specified as under: (a) Unloading of media from the vessels of existing filter. (b) Cleaning of the vessels, Painting inside with epoxy/zinc chromate and outside of the vessel with sy. enamelled paint. (c) Supply & loading of new charge of Sand,Silex, Pebbles, Zeofil, Gravel etc for existing filter-1 Lot (d) Supply & Installation of Rubber Packing, Nuts & Bolts-1 Lot (e) Replacement or Provision of defective /Unserviceable Service/Back wash/Aeration valve, Pressure Guage, Pipe Lines, Base for Vessels etc.	1.00	Job	0.00	110000.00	110000.00	60000.00	60000.00	78000.00	78000.00	60000.00	Hygienic World
23.00	Supplying, Installation & Commissioning of Activated Carbon Filter, vertical cylindrical type, FRP vessel including pipeline 50mm dia, valves of suitable size filled with activated carbon media alongwith making suitable RCC Platform. The shell thickness shall be of 10 mm . The shell shall also be provided with adequate size of air vent line with valve etc as required. MOC: FRP,COMPOSITE. Flow rate: 8 M3/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 900 mm X 1800 mm. Pipe Line Size: 50 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of pipeline: UPVC. No. of Valves: As per site requirement/Direction of E-I-C. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification FRP vessel with Manhole ,Handhole and Bed Plate facility : As per OEM Design Opening : 6" Top & Bottom Threaded/Flanged Strainers : Top Bottom HUB Lateral dual type Strainer Base : FRP Tripod Filter Media: Activated Carbon best quality and Barakar sand white sand 8/16 support Media, Gravels & Pebbles. Aeration Valve : Provided for air purging Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1.00	Job	0.00	229000.00	229000.00	180000.00	180000.00	275000.00	275000.00	180000.00	Hygienic World
24.00	Supply,installation,Testing & commissioning of 3 phases monoblock Pump having Flow Rate : 8 M3/hr, 3.0 HP / 2900 RPM, approx 35 m Head with mechanical seal , CI Casting and Impeller, Carbon Steel Shaft connected to a TEFC Induction Motor of suitable rating to operate on 415V,3 pH, 50Hz. AC supply complete with vibration isolator, common MS base frame, foundation, IP 44 protection, insulaion class B i/c DOL starter suitable for 3 HP capacity pump with all accessories complete as required.	2.00	Nos	0.00	33750.00	67500.00	50000.00	100000.00	63000.00	126000.00	67500.00	Taurus Industries

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					Rate	Amount	Rate	Amount	Rate	Amount		
25.00	Provision of Interconnecting pipelining work of sizes of 50 mm dia of B-Class GI pipe in SUCTION and DISCHARGE Line of Pump Set alongwith accessories like Tee, union, flanges, bend, socket, nipple etc. complete as per site requirements.	50.00	Mtr	0.00	770.00	38500.00	500.00	25000.00	890.00	44500.00	25000.00	Hygienic World
26.00	Supply of following media:											
27.00	a) Soda Ash (64Kg X 4 years)	256.00	Kg	0.00	110.00	28160.00	70.00	17920.00	48.00	12288.00	12288.00	Grey Water Solutions Private Limited
28.00	b) Chlorine (100 LitreX 4 Years)	400.00	Litre	0.00	85.00	34000.00	50.00	20000.00	70.00	28000.00	20000.00	Hygienic World
29.00	SH-II : AMC WORKS AT COLONY SITE											
30.00	Annual Maintenance Contract of Iron removal water Plant consisting of PFOC, IRF, ACF, Chlorine Dozer, Soda Ash Doser, Motor pump etc. by deploying of manpower for carrying out Monthly Preventive Maintenance, Attending Unlimited breakdown call, repairing of leakages, backwash, maintaining maintenance record/report, data compilation, Conducting of both Raw and Treated water quality test from Govt. Laboratories/Approved labs once in every month, replacing the damaged parts like Valves, Guage, Pipe Lines and other minor part and carrying out Quaterly/Semi-Annually/Annual maintenance of all installed units related to Iron removal Plant, safe disposal of spent media, back wash waste water. The Annual Comprehensive maintenance contract shall start after the completion of DLP of 1 year.											
31.00	For 1st year	1.00	Annum	0.00	108000.00	108000.00	144000.00	144000.00	132000.00	132000.00	108000.00	Taurus Industries
32.00	For 2nd Year (including Change of Filter media)	1.00	Annum	0.00	140000.00	140000.00	144000.00	144000.00	178000.00	178000.00	140000.00	Taurus Industries
33.00	For 3rd Year	1.00	Annum	0.00	135000.00	135000.00	144000.00	144000.00	132000.00	132000.00	132000.00	Grey Water Solutions Private Limited

Total in Figures

2430555.00

2348280.00

2769292.00

Lowest Amount Quoted BY: Hygienic World(2348280.00)

BOQ Summary Details**Tender Title: Replacement of old water treatment plant at Tezpur Airport.****Tender ID: 2020_AAI_41834_1**

Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	Hygienic World	2348280.00	L1
	2	Taurus Industries	2430555.00	L2
	3	Grey Water Solutions Private Limited	2769292.00	L3

Signature Not Verified

Digitally signed by KEISHING HONPAM
Date: 2020.02.28 23:46:44 IST
Location: eProcurement System for Central
PSUs