



भारतीय विमानपत्तन प्राधिकरण
बिरसा मुण्डा विमानपत्तन, राँची - 834002
AIRPORTS AUTHORITY OF INDIA
BIRSA MUNDA AIRPORT, RANCHI - 834002

Ref: AAI/RC/SM(Engg.-E)/WO-02/STP&ETP/2024-25/50-57

Date : 03.06.2024

सेवा में,	To,
मेर्सस चौधरी कंस्ट्रक्शन, किलबर्न कॉलोनी रोड नंबर 6, डॉ. एस.पी.मैत्रा के पीछे, हिनू रांची-834002	M/s Chaudhary Construction, Kilburn Colony, Road No. 6, Behind Dr. S.P.Maitra , Hinoo Ranchi-834002.

विषय : वर्ष 2024- 2026 के लिए बिरसा मुंडा हवाई अड्डे, राँची में एसटीपी/ईटीपी, डब्ल्यूटीपी की मरम्मत और रखरखाव के संचालन के लिए कार्य अनुबंध।

Subject : Work contract for repair and maintenance of STP/ETP and WTP and operation of STP/ETP at B.M. Airport Ranchi for the Year 2024- 2026.

संदर्भ : (i) CPP Portal Bid No: 2024_AAI_192899_1
(ii) Your Price Bid on CPP portal – 06.05.2024

महोदय,

1. उपर्युक्त कार्य हेतु आपकी निविदा अध्यक्ष, भा0वि0प्रा0 की ओर से एतद्वारा इस आधार पर स्वीकार की जाती है कि आपके द्वारा उद्धृत आइटम दरों पर कुल योग, **60,06,900/- (साठ लाख छः हजार नौ सौ मात्र) जी.एस.टी. छोड़कर जो कि 26.93% अनुमानित दर 82,20,928/- (बयासी लाख बीस हजार नौ सौ अठाईस रुपया मात्र)** से कम है।

Your tender for the work mentioned above hereby accepted on behalf of the Chairman, AAI, at the item rates quoted by you totaling to **Rs. 60,06,900.00 (Sixty Lakhs Six Thosand Nine Hundred Only)** excluding GST which is 26.93% below from the estimate cost put in tender **Rs. 82,20,928.00 (Rupees Eighty Two Lakhs Twenty Thousand Nine Hundred Twenty Eight Only)**.

2. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमत समय चौबीस महीने का है। काम के शुरू होने की अवधि SOQ अनुबंध-I के अनुसार **11.06.2024** से होगी।

Please note that the time allowed for carrying out the work is 24 (Twenty Four) months. The commencement period of contract for the work shall be as per SOQ from **11.06.2024** as per Annexure-I.

3. अनुबंध दस्तावेजों के ईएनआईटी-02 के अनुसार बयाना राशि आपकी निविदा के साथ प्राप्त रु. 1,64,419.00 (एक लाख चौसठ हजार चार सौ उन्नीस मात्र) को सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया 4,36,271.00 (चार लाख छत्तीस हजार दो सौ इकहत्तर मात्र) रुपये जमानत राशि के रूप में इस पत्र के जारी होने की तिथि से 15 दिनों के भीतर जमा करा दें, ऐसा न करने पर शर्त के अनुसार आपके चल रहे बिलों से कटौती की जाएगी। 1(ए) अनुबंध दस्तावेजों के पेज जीसीसी-16 पर।

As per eNIT-02 of the contract documents, Earnest Money amount of Rs. 1,64,419.00 (Rupees One Lakh Sixty Four Thousand Four Hundred and Nineteen Only) received along with your tender has been converted as part of security deposit. Please deposit Rs. 4,36,271.00 (Rupees Four Lacs Thirty Six Thousand Two Hundred and Seventy One Only) towards security deposit within 15 days from the date of issuing of this letter, failing which, the same will be deducted from your running bills as per condition 1(A) on page GCC-16 of the contract documents.

4. एजेंसी अधिकतम उद्धृत राशि के @10% की दर से सुरक्षा जमा के खिलाफ बैंक गारंटी जमा करेगी और डीएलपी अवधि + 03 महीने की दावा अवधि तक कुल अनुबंध के लिए वैध होगी। यदि एजेंसी बैंक गारंटी जमा नहीं करती है, तो उस स्थिति में, सुरक्षा जमा @10% चालू और अंतिम बिल से काट लिया जाएगा। सुरक्षा जमा राशि दोष देयता अवधि के संतोषजनक पूरा होने के बाद ही वापस की जाएगी।

The agency shall submit the Bank Guarantee against the Security Deposit @ 10% of quoted amount and be valid for total contract up to DLP period plus 03 months claim period. If the agency do not

टेली फेक्स : 0651 – 2252042 (का), दूरभाष : 0651 – 2250107

Tele Fax: 0651-2252042(O) Telephone: 0651 - 2250107

submit the Bank Guarantee, in that case, the Security Deposit @ 10% will be deducted from running and final bills. The security seposit shall be refunded only after satisfactory completion of defects liability period.

5. वरिष्ठ प्रबंधक (अभि.—विद्युत), भा0वि0प्रा0 बिरसा मुण्डा हवाई अड्डा राँची कार्य के प्रभारी अभियंता होंगे। आप कृपया अपने प्राधिकृत एवं संविदा—करार पर हस्ताक्षर करने में सक्षम प्रतिनिधि को हस्ताक्षर एवं करार पूरा करने हेतु वरिष्ठ प्रबंधक(अभि.—विद्युत), भारतीय विमानपत्तन प्रधिकरण, बिरसा मुण्डा हवाई अड्डा, राँची के कार्यालय में **17.06.2024** तक भेजे। संविदा करार आप द्वारा उपलब्ध कराए गए 100/- रु (सौ रूपया) के गैर अदालती पक्के कागज पर सम्पादित किया जाएगा।

Sr.Manager (Engg.-E), AAI, BM Airport, Ranchi, shall be the Engineer-in-charge of the work. You are requested to depute your accredited representative empowered to sign the contract agreement on your behalf to attend the office of Sr.Manager (Egg.-E), Airports Authority of India, BM Airport, Ranchi by **17.06.2024** to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- and cost of the stamp paper shall be borne by you.

6. आपसे अनुरोध है कि आप संविदा श्रम (नियमन व समापन) अधिनियम-1970 के प्रावधानों तथा संविदा श्रम (नियमन व समापन) केन्द्रीय नियम, 1971, एवं केन्द्र व राज्य सरकारों के तत्सम्बन्धी न्यूनतम मजदूरी अधिनियम व नियमों का पालन करें You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act. of 1970 and Contract Labour (Regulation & Abolition) Central Rules-1971 & Minimum Wages Act., & rules thereof of Central and State Governments.

7. आपकी निविदा एवं इस कार्य के संदर्भ में उल्लिखित पत्र, इस अवार्ड पत्र सहित करार का हिस्सा होंगे। कृपया नोट करें कि दोष दायित्व अवधि (12) बारह महीने होगी।

Your tender mentioned above under the reference for this work shall form part of the agreement along with this awarded letter. Please note that the defect liability period shall be **(12) Twelve Months** with effect from actual date of completion.

8. भविष्य में संविदा से संबंधित कोई भी पत्राचार वरिष्ठ प्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्रधिकरण, बिरसा मुण्डा हवाई अड्डा, राँची से किया जाए। Any further correspondence in connection with the contract shall normally be addressed to the Sr. Manager (Engg.-E), BM Airport, Ranchi.

9. E.P.F. & E.S.I. की दिशा में भुगतान सीधे मौजूदा नियमों के अनुसार ठेकेदार द्वारा सीधे संबंधित शासी निकायो को किया जाएगा और भुगतान के लिए मासिक आधार पर बयान का प्रमाण AAI को प्रस्तुत किया जाएगा। The payment towards E.P.F. & E.S.I. shall be paid by the contractor directly to the concerned governing bodies as per existing rules and the proof of the statement shall be submitted to AAI on monthly basis for payment.

10. अन्य सभी नियम और शर्तें एनआईटी के अनुसार होंगी। Rest all other Terms & Condition shall be as per NIT.

11. कृपया पावती भेजें। Please acknowledge the receipt of the same.

धन्यवाद / Thanking you,

Encl: 1.Schedule of Quantity Annexure-I - 07 pages

भवदीय,

रजिस्ट्रार

वर्षिक प्रबंधक (अभि०-वि०)
अध्यक्ष श्री आनंद कुमार सिंह
वार्षिक प्रबंधक (अभि० - वि०) / Secretary (Admin. & Finance)
भारतीय विमानपत्तन प्राधिकरण - Elect.)
भारतीय विमानपत्तन प्राधिकरण - Airport Authority of India
बिरसा मुण्डा हवाई अड्डा, राँची - 834002 Birsa Munda Airport, Ranchi - 834002

Airports Authority of India

BM Airport, Ranchi

SCHEDULE OF QUANTITY

Name of work : Work contract for repair & maintenance of STP/ETP & WTP and operation of STP/ETP at B.M Airport Ranchi for the Year 2024-2026.

CPP Portal Bid No: 2024_AAI_192899_1

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SH-I: Repair Works (STP/ETP/WTP)				
1	Supply & Replacement of outdated filter media in Activated Carbon filter located at Sewage treatment plant including removal of old outdated media, rinse-cleaning, refilling of different gradient media (Pebbles, Gravels, sand, silex, Granular Activated Carbon) in layers as per standard design, technical specifications and disposal of unserviceable media away from Ranchi airport complete as per the direction of Engineer-in-Charge etc as required. Activated Carbon Filter (13.75 M3/Hr): 1100mm Dia X 1100mm HOS	4	Jobs	30000.00	120000.00
2	Supply & Replacement of outdated filter media in Multi-Media filter located at Sewage treatment plant including removal of old outdated media, rinse-cleaning, refilling of different gradient media (Pebbles, Gravels, Treated sand, anthracite) in layers as per standard design, technical specifications and disposal of unserviceable media away from Ranchi airport complete as per the direction of Engineer-in-Charge etc as required. Multi-Media filter (13.75 M3/Hr): 1100mm Dia X 1100mm HOS	4	Jobs	32000.00	128000.00
3	Supply & Replacement of outdated filter media in Pressure Sand Filter located at Water Treatment Plant including removal of old outdated media, rinse-cleaning, refilling of different gradient media (Pebbles, Gravels, silex, sand) in layers as per standard design technical specifications and disposal of unserviceable media away from Ranchi airport complete as per the direction of Engineer-in-Charge etc as required. Pressure Sand Filter (12 M3/Hr): 1200mm Dia X 1200mm HOS	3	Jobs	33000.00	99000.00
4	Supply & Replacement of outdated filter media in Iron Remover Filter located at Water Treatment Plant including removal of old outdated media, rinse-cleaning, refilling of different gradient media (Pebbles, Gravels, Iron Remover media) in layers as per standard design technical specifications and disposal of unserviceable media away from Ranchi airport complete as per the direction of Engineer-in-Charge etc as required. Iron Remover Filter (12 M3/Hr): 1200mm Dia X 1200mm HOS	3	Jobs	35000.00	105000.00

Note

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
5	Supply & Replacement including of outdated Softener Resin media (Ion exchange 225 Na only) in Softner Plant located at Sewage Treatment Plant including removal of old outdated media, rinse-cleaning,refilling of different gradient media (Pebbles, Gravels, Resin media) in layers as per standard design technical specifications and disposal of unserviceable media away from Ranchi airport complete as per the direction of Engineer-in-Charge etc as required. Softner Filter (08 M3/Hr): 650mm Dia X 1300mm HOS	3	Jobs	60000.00	180000.00
6	Providing, fixing, testing & commissioning of Tube Settler Media including replacement and disposal of existing old outdated tube settler media away from Ranchi airport complete as per the direction of Engineer-in-Charge etc as required. The Tube Settler media shall be with following specification: Shape: Chevron-Unequal HexagonSquare Thickness: 1mm +/- 0.1mm Plan settling Area (at 60 degrees angle slope): 11-13 m2/ m3 Fitting: Tongue and Groove Tube Cross sectional Area : 120mm x 44mm Maximum Continuous Operating Temperature : 55°C MOC : PVC, UV Stabilized Colour: Black Vertical Ht. : 1000 mm, Make- Marvellous Plastic/ MM Aqua/Tecpro or equivalent	3.5	Cum	25000.00	87500.00
7	Supply & Replacement of existing 100mm Dia Air Supply Pipeline located at outlet of air blowers including dismantling of existing pipeline, replacement of flexible bellows, NRV, Butterfly valve, Flanges, gaskets, nuts, bolts, washer, welding of all accessories with new pipeline, threading, re-alignment, installation, leak testing and commissioning and painting the entire parts with approved colour to give even shade etc complete as required. (Note: Pipeline to be replaced alongwith all accessories is of	1	Job	25000.00	25000.00
8	Mechanised Cleaning & de-silting of Aeration Tank of size 4.71m (Length) X 4.55m (Width) X 4.8m (Height) using compressor and associated equipment including dosing of stabaliser chemical for dilution of sludge and disposal of left out sludges away from Airport premises etc., complete with sundries, lighting, blower fan, speciliased labour with protective gear etc., complete as required.	2	Jobs	30000.00	60000.00
9	Supply and replacement of existing Air Piping with Stainless Steel 304 Pipeline of 65mm dia complete with tees, crosses, plugs, sockets, elbows,reducers,supports & clamps, puddle flanges etc including cutting, welding, grinding, buffing, polishing, hoisting, fixing securely to the concrete surface, making openings for Tubular diffusers and dismantling of existing Air pipeline and shifting to AAI Stores, leak testing complete as required.	16	Mtrs	2500.00	40000.00

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10	Supply, Replacement & fixing of New Fine Bubble Tubular Diffuser for the aeration tank unit including fixing of diffuser to Air pipe header inside tank. Diffuser shall be self-cleaning, high transfer efficiency, low maintenance, non-buoyant type. Diffuser hold down assemblies shall consist of a retainer bolt, a matching washer and gasket. The Fine Bubble diffuser shall be as per following specification: Size of diffuser: 63mm dia x 1000mm long or as per sample diffusers available on site MOC of diffuser: EPDM MAKE: Bobkay / Airflex / Scogen or equivalent	20	Set	2000.00	40000.00
11	Supply and erection of 50mm dia UPVC Pipe of preferred make complete with UPVC fittings such as tees, crosses, plugs, sockets, elbows, reducers, unions, flanges, sleeve pieces, check nuts, gaskets, nut, bolts, UPVC adhesives & other accessories etc for making necessary connection to existing MS pipe complete including clamps, supports etc as required and as per direction of Engineer-Incharge (Note: All UPVC fittings for necessary pipeline connections are to be arranged by the Contractor)	26	Mtrs	950.00	24700.00
12	Supplying, Fixing, Testing and Commissioning of 50mm dia Butterfly Valve (Manual) with CI body, SS disc, SS stem, nitrile/EPDM rubber seal, 'O'- ring & PN 16 pressure rating alongwith bolt, nut, washer as per following sizes etc complete as required. (Including flanges).	5	Each	2000.00	10000.00
13	Supply and Installation of various Mild Steel structure fabricated using single section MS Channel/angle/flat/bar etc including cutting, welding, drilling, fixing in position using appropriate fasteners, grinding, painting with approved steel primer and two coats enamel paint etc. complete as required.	200	Kgs	130.00	26000.00
14	Supply and Installation of Analog Flanged Water Meter & 02 Nos Slipon Weldable Flanges of 40 mm including cutting of existing 40mm pipeline, welding of 02 Nos Flanges, fixing of water meter in position using nut-bolts, gaskets etc complete as required (At outlet of STP)	1	Each	10000.00	10000.00
15	Supply and Installation of Analog Flanged Water Meter & 02 Nos Slipon Weldable Flanges of 100 mm including cutting of existing 100mm pipeline, welding of 02 Nos Flanges, fixing of water meter in position using nut-bolts, gaskets etc complete as required (At Inlet of STP)	1	Each	20000.00	20000.00
16	Supply of non-clogging self-priming Sewage submersible pumpset having Cast Iron casing & SS impeller suitable for operation on 415V/230V, 50Hz AC Power supply with discharge capacity of 18cum/Hr @ 10 Mtr head, particle handling size of min 25mm, non-sealed construction, Insulation Class F, motor of required capacity including required SS rope for lifting the pump complete as per Technical Specifications etc as required.	2	Each	40000.00	80000.00

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	SITC of suitable Panel Board starter made of MS Sheet suitable to operate with 415 V, 50 Hz, 3 phase AC power supply for the above mentioned sewage submersible pumpset etc as required.	2	Each	7500.00	15000.00
18	Brush/Spray Painting of various metal surfaces after cleaning/scrapping the surface with emery paper and applying 02 coat anti-corrosive metal red-oxide primer & 2 coats Enamel paint of approved brand and colour to give an even shade complete etc as required (Paint Colour to be decided by Engineer-In-Charge).	200	Sq.Mtr	100.00	20000.00
19	Supply and replacement of existing 100mm dia pressure guages, 0-10 kg/cm2 with isolation valve as per AAI Preferred make & specification including welding of GI nipple/threading and necessary connection as required & as per direction of Engineer-In-Charge.	15	Each	1000.00	15000.00
20	Supply and Replacement of existing Semi-automatic Multiport Valve with Manual Mutiport Valve-Side mounted (40 Nominal Bore/5 kg/cm2) including dismantling of old valve and installation of new Multiport valve and interconnection with existing pipeline with reducer/expander/coupler, adhesive etc complete as required.	6	Each	2000.00	12000.00
21	Repair of following Kay Make twin-lobe air blowers including dismantling from site, transportation to workshop, repair & servicing at workshop, replacement of defective parts (roller bearing, rings, O-ring, oil seal, gasket, shaft, bearing collar, suction air filter, pressure relief valve, NRV, belt pulley with machining, bolts, nuts, washer etc) re-alignment, installation, testing and commissioning etc complete as required (As & when required).				
a)	45 M3/Hr	4	Each	12000.00	48000.00
22	Supply and Replacement of existing V-Belt of Air Blower loacted at STP (Similar to Fenner C75 Poly-F Plus Classical Wrapped V Belt)	12	Each	800.00	9600.00
23	Dismantling, overhauling and servicing of all type of centrifugal pumpsets including replacement of pump spares (such as impeller, Gland/ mechanical Seal, Gland packing, set of bearings, shaft sleeve, terminal board, terminal box, gasket, liquid reflector, impeller lock nut, cooling fan etc) re-assembling, painting, re-installing the same, testing and commissioning etc., complete as required. (Note:- The dismantled material belongs to the contractor).				
a)	Upto 2 HP	4	Each	1500.00	6000.00
b)	Above 2HP upto 5HP	8	Each	1000.00	8000.00
24	Dismantling the existing centrifugal pumpset of following capacity including rewinding, servicing, replacement of motor spares (such as bearings, cooling fan, Terminal Board, terminal box with top), rebate for wound out copper and re-installing the same etc. as required. (Note:- The dismantled material belongs to the contractor).				

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
a)	Upto 2 HP	4	Each	1500.00	6000.00
b)	Above 2HP upto 5HP	8	Each	1500.00	12000.00
25	Dismantling, lifting, lowering, painting and re-installation of existing sewage submersible pumpset of following capacity including servicing, replacement of all pump spares (such as Impeller, Mechanical seal, Bearings, Set of 'O' rings, Oil seal, Oil for seal cooling etc.,) and Testing, Commissioning etc complete as required.				
a)	Upto 2 HP	3	Each	1500.00	4500.00
b)	Above 2HP upto 5HP	1	Each	2000.00	2000.00
26	Dismantling, lifting, lowering, painting, rewinding and re-installation of existing sewage submersible pumpset motor of following capacity, including replacement of motor spares (if any required), rebate for wound out copper and Testing, Commissioning etc complete as required. (Note:- The dismantled material belongs to the contractor).				
a)	Upto 2 HP	3	Each	2000.00	6000.00
b)	Above 2HP upto 5HP	1	Each	3000.00	3000.00
27	Dismantling, overhauling and servicing of all type of Hydro-pneumatic System (HPS) vertically mounted centrifugal pump sets (Wilo Make) including replacement of pump spares (such as impeller, shaft seal, 'O' ring, Head spring, bearings etc) re-assembling, painting, re-installing the same, testing and commissioning etc., complete as required. (Note:- The dismantled material belongs to the contractor).				
a)	2.5 HP	2	Each	2000.00	4000.00
b)	5.5 HP	4	Each	2000.00	8000.00
28	Dismantling all type of Hydro-pneumatic System (HPS) vertically mounted centrifugal pump sets (Wilo Make) including rewinding, servicing, replacement of motor spares (such as bearings, cooling fan, Terminal Board, terminal box with top), rebate for wound out copper and re-installing the same etc. as required. (Note:- The dismantled material belongs to the contractor).				
a)	2.5 HP	2	Each	2000.00	4000.00
b)	5.5 HP	4	Each	2000.00	8000.00
29	Rewinding of following Capacity Blower motor including dismantling from site, transportation to workshop, rewinding, repair & servicing at workshop, replacement of defective parts (if any), rebate for wound out copper, re-alignment with existing Blower, installation, testing and commissioning etc complete as required (As & when required). (Note:- The dismantled material belongs to the contractor).				
a)	20HP motor	2	Each	5000.00	10000.00
b)	3HP motor	2	Each	2500.00	5000.00
30	SITC of Stainless Steel Perforated, Corrugated Bar Screen with suitable lifting arrangement (Size: 2000 mm X 750 mm approx)	4	Jobs	30000.00	120000.00
	SH-II: (Supply of Spare & Chemicals etc)				
31	Supply of following chemicals for STP/ETP/WTP to be supplied as and when required as per site requirement.				

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
(a)	Industrial Salt (For recharging softner)	1000	Kg	10.00	10000.00
(b)	Poly-electrolyte (For Dosing in clarifier Tank)	100	Kg	80.00	8000.00
(c)	Bio-culture for STP	300	Kg	50.00	15000.00
(d)	Sodium Hypo-Chlorite 6% concentration	500	Ltr	20.00	10000.00
(e)	Alum	50	Kg	25.00	1250.00
(f)	Lime	50	Kg	15.00	750.00
(g)	Gear oil for Air-compressor (As per key International Air Compressor equivalent to Veedol Apcot 220)	50	Litre	280.00	14000.00
32	Supply of following materials/accessories for carrying out smooth operation and maintenance as per site requirement				
a)	PVC Spiral Ribbed Flexible Green Hose-4 inch	30	Metre	100.00	3000.00
b)	PVC Spiral Ribbed Flexible Green Hose-3 inch	30	Metre	100.00	3000.00
c)	PVC Spiral Ribbed Flexible Green Hose-2 inch	30	Metre	100.00	3000.00
d)	Fire Hose-4 inch	30	Metre	150.00	4500.00
e)	Fire Hose-3 inch	30	Metre	150.00	4500.00
f)	Fire Hose-2 inch	30	Metre	150.00	4500.00
g)	Stainless Steel Hose Clamp-4 inch	10	Nos	50.00	500.00
h)	Stainless Steel Hose Clamp-3 inch	10	Nos	25.00	250.00
i)	Stainless Steel Hose Clamp-2 inch	10	Nos	15.00	150.00
j)	Stainless Steel Pin Type Electrical Panel Lock	5	Nos	100.00	500.00
k)	Cylindrical Air Blower Suction Filter	4	Nos	800.00	3200.00
l)	Multiport Valve-Side Mounted (40 Nominal Bore/5 kg/cm ²)	2	Nos	1500.00	3000.00
m)	Teflon tape 12Mtre Length X 12mm width X 0.1mm Thickness	20	Nos	20.00	400.00
n)	HRC Fuse 40Amps (Make: Siemens, Model No. 3NE4 102)	5	Nos	1000.00	5000.00
o)	NRV:MOC-Gun Metal of approved quality (screwed end) :40mm	3	Each	100.00	300.00
p)	NRV:MOC-Gun Metal of approved quality (screwed end) :50mm	3	Each	1200.00	3600.00
q)	NRV wafer type:Body CI, disc SS, Seat:Nitrile/EPDM PN-16: 40mm	3	Each	1200.00	3600.00
r)	NRV wafer type:Body CI, disc SS, Seat:Nitrile/EPDM PN-16: 50mm	3	Each	1200.00	3600.00
33	Supply of LED indication lamps of 22.5mm dia, 7 LED integral type of following colour suitable for operating on 220/240V AC, 50 Hz., single phase power supply as required (Make: SIEMENS/ SCHENIDER/ PRECIFINE / L&T)				
a)	RED	10	Each	100.00	1000.00
b)	YELLOW	10	Each	100.00	1000.00
c)	BLUE	10	Each	200.00	2000.00
d)	GREEN	10	Each	100.00	1000.00
e)	AMBER (Orange)	10	Each	100.00	1000.00
34	Supply of PVC insulated and PVC Sheathed Flat Industrial cable for Submersible Pump motors, 1100 Volt, conforming to IS:694 etc complete as required.				
a)	2.5 Sqmm X 3 Core Flat cable	50	Meter	120.00	6000.00
b)	4 Sqmm X 3 Core Flat cable	50	Meter	140.00	7000.00
35	Three Pole Contactors for DOL/Star-Delta Starter as per site requirement				
a)	Upto 3HP	10	Nos	1000.00	10000.00
b)	Above 3HP upto 5.5HP	5	Nos	2000.00	10000.00

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
36	Supply of PPE kit for the workmen deployed at STP				
a)	Porotective work wear (Similar to Karam PW1101 & PW2101 or equivalent)	6	Set	700.00	4200.00
b)	Hand Gloves (Similar to Karam HS-41 or equivalent)	6	Set	200.00	1200.00
c)	Eye gear (Similar to Karam ES005 or equivalent)	10	Each	100.00	1000.00
d)	Mask (Similar to Karam RFH 11+ or equivalent)	10	Each	100.00	1000.00
	SH-III: (O & M)				
37	Operation and maintenance services (preventive & breakdown) of STP (225 Cum/Day) & ETP (275 Cum/Day) of different capacity comprising of all machinery equipment installed in STP/ ETP i/c bar screen chambers, pumps, air compressors, ACF & MMF filters, softeners, hydropneumatic system, electrical panel and all accessories etc. Job also includes to provide the adequate manpower services for operation in shift basis as per special condition and technical specification round the clock including Sundays and holidays. The job is also including preventive maintenance of all electro-mechanical equipment by experienced personnel as and when necessary and as per the direction of EIC. (Spares will be provided by AAI)				
(a)	For first year	12	Job	182400.00	2188800.00
(b)	For second year	12	Job	182400.00	2188800.00
	SH-IV: (Water testing parameters)				
38	Testing of following sewage samples from existing STP at State/Central/Govt accredited Laboratory every month and submit the original analysis test report to Engineer-In-Charge etc complete as required.				
(a)	PH Test (Monthly for STP/ETP/WTP Inlet and Outlet)	24	Each	500.00	12000.00
(b)	BOD Tests (Monthly for STP Inlet and Outlet)	24	Each	500.00	12000.00
(c)	COD Tests (Monthly for STP Inlet and Outlet)	24	Each	500.00	12000.00
(d)	Suspended Solids Tests (Monthly for STP/ETP/WTP Inlet and Outlet)	24	Each	500.00	12000.00
(e)	Total dissolved solid (Monthly for STP Inlet and Outlet)	24	Each	500.00	12000.00
(f)	Oil and Grease (Monthly for STP Inlet and Outlet)	24	Each	500.00	12000.00
(g)	MLSS (Mixed Liquor Suspended Solids) test (Once in a Fortnight for Aeration Tank)	48	Each	500.00	24000.00
TOTAL					6006900.00

Note : Rate is Comprehensive and excluding of GST.

Say Rs. 60,06,900.00 (Rupees Sixty Lakhs Six Thousand Nine Hundred Only)

Signature Not Verified
 Digitally signed by RIJENDRA KUMAR
 Date: 2025.04.04 12:29:59 IST
 Location: eProcurement System for Central PSUs