



ವಿಶ್ವೇಶ್ವರಯ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ (ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಒಂದು ಉದ್ಯಮ)

ನೋಂದಾಯಿತ ಕಛೇರಿ ವಿಳಾಸ: ಎಂ.ಬಾಸ್ಕಿ ಸ್ಟ್ರೀಟ್ #148
ಇನ್‌ಫಾಂಟ್ ರೋಡ್ ಬೆಂಗಳೂರು-560001
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ವೆಬ್‌ಸೈಟ್: www.vjnl.in
CIN No: U41000KA2016SGC097260

ಮುಖ್ಯ ಇಂಜಿನಿಯರ್‌ರವರ ಕಛೇರಿ,
ವಿಶ್ವೇಶ್ವರಯ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ,
ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನಾ ವಲಯ,
ಚಿತ್ರದುರ್ಗ-577501.
ಪೋ: 08194-230018, ಫ್ಯಾಕ್ಸ್: 08194-
230032
ಇ-ಮೇಲ್: ubpchief@gmail.com

ಸಂ:ಮುಇಂಜಿ/ವಿಜನಿನಿ/ಭಮೇಯೋವ/ತಾಂ.ಸ-1/ತಾಂ.ಶಾ-1/2020-21/

ದಿನಾಂಕ:

ಇವರಿಗೆ,

ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು,
ವಿಶ್ವೇಶ್ವರಯ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ,
ನೋಂದಾಯಿತ ಕಛೇರಿ, #148 ಎಂಬೀಸಿ ಸ್ಟ್ರೀಟ್,
ಇನ್‌ಫಾಂಟ್ ರೋಡ್,
ಬೆಂಗಳೂರು.

ಮಾನ್ಯರೆ,

ವಿಷಯ:-

Informative Quotation Notification ನ್ನು ನಿಗಮದ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಪ್ರಕಟಿಸುವ ಬಗ್ಗೆ.

- ಉಲ್ಲೇಖ:-
- 1) ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ವಿಜನಿನಿ, ಭಮೇಯೋ, ವಿಭಾಗ ನಂ. 3, ಅಜ್ಜಂಪುರ ಇವರ ಕಛೇರಿಯ ಅಧಿಸೂಚನೆ ಪತ್ರ ಸಂಖ್ಯೆ: 675, ದಿನಾಂಕ: 25.11.2020.
 - 2) ಅಧೀಕ್ಷಕ ಇಂಜಿನಿಯರ್, ವಿಜನಿನಿ, ಭಮೇಯೋ, ವೃತ್ತ ನಂ.2, ಚಿತ್ರದುರ್ಗ ಇವರ ಕಛೇರಿ ಪತ್ರ ಸಂಖ್ಯೆ: 1155, ದಿನಾಂಕ: 25.11.2020.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, **Implementation of Drip Irrigation and tank filling scheme under Upper Bhadra Project for command area under Tumkur Branch Canal 0.00 Km to 76.00 Km** ಕಾಮಗಾರಿಯ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಲು ಐಟಂವಾರು ದರಗಳನ್ನು ಮುಚ್ಚಿದ ಲಕೋಟಿಯಲ್ಲಿ ಸಲ್ಲಿಸಲು **INFORMATIVE QUOTATION** ಅಧಿಸೂಚನೆಯನ್ನು ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ವಿಜನಿನಿ, ಭಮೇಯೋ, ವಿಭಾಗ ನಂ.3, ಅಜ್ಜಂಪುರ ಇವರಿಂದ ಅಧಿಸೂಚನೆ ಪತ್ರ (1) ರಲ್ಲಿ ಹೊರಡಿಸಲಾಗಿರುತ್ತದೆ. ಕೊಟೇಶನ್ ನೋಟಿಫಿಕೇಶನ್‌ನ್ನು ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ವಿಜನಿನಿ, ಭಮೇಯೋ, ವಿಭಾಗ ನಂ.3, ಅಜ್ಜಂಪುರ ರವರ ಕಛೇರಿಯಲ್ಲಿ ಅಥವಾ ಅಧಿಸೂಚನೆಯನ್ನು ನಿಗಮದ www.vjnl.in ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಪಡೆಯಬಹುದಾಗಿದೆ ಹಾಗೂ ದಿನಾಂಕ: 15.12.2020 ರ ಒಳಗೆ ಮುಚ್ಚಿದ ಲಕೋಟಿಯಲ್ಲಿ ವಿಭಾಗ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಲು ಸೂಚಿಸಲಾಗಿದೆ.

ಆದ್ದರಿಂದ, ಸದರಿ ಮೇಲ್ಕಂಡ ಅಧಿಸೂಚನೆಯನ್ನು ನಿಗಮದ www.vjnl.in ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಪ್ರಕಟಿಸಲು ಕೋರಲಾಗಿದೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಮುಖ್ಯ ಇಂಜಿನಿಯರ್,
ವಿಶ್ವೇಶ್ವರಯ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ,
ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನಾ ವಲಯ,
ಚಿತ್ರದುರ್ಗ



VISVESVARAYA JALA NIGAM LIMITED

(A Govt of Karnataka Enterprise)

Phone No: 08261 -295686

E Mail id: eeubp3.1@gmail.com

CIN No. U41000KA2016SGC097260

Office of the Executive Engineer,

VJNL. U.B.P Division no.3,

Ajjampura-577 547

Notification for Informative Quotations

Sub: Submission of informative Quotations for items noted in the schedule pertaining to Implementation of drip Irrigation and tank filling scheme under Upper Bhadra Project for Command area under Tumkur Branch Canal 0.00 km to 76.00 km Chikkamagalur (Dist), Karnataka (State) from reputed registered companies / firms.

Sealed informative Quotations are invited for the following items noted in the schedule pertaining to drip Irrigation and tank filling scheme under Upper Bhadra Project for Command area under Tumkur Branch Canal 0.00 km to 76.00 km Chikkamagalur (Dist) from the reputed registered companies / firms.

"SCHEDULE"

Sl. No.	List of Items	Unit	Remarks
1.	Supply and Delivery of Pressure regulating valves (To regulate the pressure) at the entry of each shift in 50 Ha Chak including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc complete and as directed by Engineer-In-Charge.	Nos.	
	110 mm dia		
	125 mm dia		
	140 mm dia		
	160 mm dia		
	180 mm dia		
	200 mm dia		
	225 mm dia		
	250 mm dia		
	280 mm dia		
	315 mm dia		
	355 mm dia		
	400 mm dia		
	450 mm dia		
	500 mm dia		
2.	Construction of Soak Pit including all leads and lifts including cost of materials, labour, complete as per specifications.	Nos.	
3.	Supply, Installation and testing and commissioning of 100 m ³ / Hr auto filter each at 50 Ha sub zone, with all leads and lifts etc as directed by Engineer - in charge.	Nos.	
4.	Supplying of fertigation assembly conforming to IS 14483:1997 including isolation valves. The rates include installation charges, required specials / fittings, testing and commissioning with all lead and lift etc complete.	Nos.	
5.	Supplying and providing PVC SOLVENT IL complete with all leads and lifts as directed by Engineer-in-charge (Half litre / Ha).	Nos.	
6.	Design, supply, erection, trial run, testing commissioning of Submersible Pumps of approved make conforming to IS: 8034:2002	HP	

Sl. No.	List of Items	Unit	Remarks
	with all other standard accessories and safety devices etc., complete as per specifications, terms and conditions of contract. Motors are suitable for operating with Variable Frequency Drive(VFD).		
	10 HP		
	30 HP		
	40 HP		
	50HP		
	60 HP		
	70 HP		
	80 HP		
	90 HP		
	100 HP		
	110 HP		
	120 HP		
	130 HP		
	160 HP		
7.	Supply, erection, testing and commissioning Metallic type expansion joint PN 1.0 rating of approved make.	Set	
	100 mm dia		
	150 mm dia		
	200 mm dia		
	250 mm dia		
	300 mm dia		
	350 mm dia		
	500 mm dia		
	700 mm dia		
	800 mm dia		
	900 mm dia		
8.	Supplying Installing Testing and Commissioning of H frame arrangement with pulley for lifting the pumps (2T Capacity).	Set	
9.	Supplying, installing, testing and commissioning of dewatering Pump including cost of all materials, machinery, labour etc complete with all leads and lifts as directed by Engineer-in-charge.	Nos.	
10.	Supplying, installing Testing and commissioning of HT Motor cooling arrangement including cost of all materials, machinery, labour etc., complete with all leads and lifts as directed by Engineer-in-charge.	Nos.	
11.	Supplying, testing, commissioning of ventilation system including cost of all materials, machinery, labour etc., complete with all leads and lifts as directed by Engineer-in-charge.	Nos.	
12.	Supplying, Erection, testing and commissioning of DCI Set along with all necessary change over panels including cost all materials, machinery, labour etc., complete with all leads and lifts as directed by Engineer-in-charge.	Nos.	
13.	Supply, installing, testing and commissioning of FiltoMatAutofilter battery completer assembly (500m ³ /hr), complete with all leads and lifts as directed by Engineer-in-charge.	Nos.	
14.	Supplying, Installing, testing and commissioning of Butterfly Valve Lever Operated (6") conforming to IS 513905 of specified diameter, cost of all jointing materials, machinery, labour etc., complete with all leads and lifts as directed by Engineer in charge.	Nos.	
15.	Supply, installing , testing and commissioning of Air release valve with control valve as per ISO standards one before the filter including cost of all materials, labour, loading, unloading with all leads and lifts etc as directed by Engineer-in-charge.	Nos.	

Sl. No.

No.	List of Items	Unit	Remarks
	315 mmdia		
	355 mmdia		
	400 mmdia		
	450 mm dia		
16.	Supply, installing, testing and commissioning of PP Ball 2.0" (Plain)-IND (CAT No:00405-001350) at the flushing in each filter of approved make body including cost of all materials, labour etc complete with all leads and lift as directed by Engineer in charge.	Nos.	
17.	Supplying, Installing, testing and commissioning of 10" Butterfly valve conforming to IS 513905 of specified diameter, at the outlet at the manifold cost of all jointing materials, machinery, labour etc., complete with all leads and lifts as directed by Engineer in charge.	Nos.	
18.	Supply, installation and testing and commissioning of Pressure reducing valve as per ISO standards after primary Auto filter including cost of all materials, labour, loading, unloading with all leads and lifts etc as directed by Engineer in charge	Nos.	
19.	Manufacturing, supplying, laying in position, aligning, testing and commissioning of electric resistance welded / submerged arc welded manifold for inlet and outlet of the filters complete as per specifications with lead upto 1Km and all lifts as directed by Engineer in charge.	Nos.	
20.	Supply, installing, testing and commissioning of Flange adaptor at the inlet and outlet of the Filter unit with all leads and all lifts as directed by Engineer in charge.	Nos.	
21.	Design, Supply, installation and commissioning of pressure sensor of range 0 to 10 Kg/cm ² with 4-20mA output to connect with SCADA system including cost of all materials, labour, loading, unloading etc and with all lead and lifts etc complete.	Nos.	
22.	Design, Supply, Installation, Testing, Commissioning of PLC control panels (with redundant processor) for controlling and monitoring of pumps in sump cum pump house, pumps of required number + 1 standby pump valves, DG set signals, outlet Flow, discharge pressure and Sump Level with Panel including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
23.	Design, Supply, Erection and commissioning of Irrigation Controllers along with suitable size of HMI to synchronize the data at each 500 Ha outlet points with main control unit including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
24.	Supply, installation, testing and commissioning Pressure Transmitter with 4 - 20 mA output to connect with SCADA system including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
25.	Providing necessary Instrumentation Signal Cables for level transmitters, Pressure Transmitters, Flow meters etc. including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Set	
26.	Supply of necessary Power Cables for feedbacks & commands including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Set	
27.	Supply of required JB, cable tray and other accessories including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Set	
28.	Design, Supply and installation of hardware & software of SCADA	Set	

Sl. No.	List of Items	Unit	Remarks
	work stations, printers for controlling and monitoring of sump cum pump house and chak control units including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge. Processor-latest suitable for the irrigation application with minimum of 500GB HD, 4 GB RAM,30" screen with laser printer etc. Rates shall include cost of all materials, labour, loading , unloading etc and with all leads and lifts etc.		
29.	Supplying of 6" digital water meter, including loading and unloading complete including installation charges required specials/ fittings, taxes, testing and commissioning etc., complete with all lead and lift , loading & unloading as directed by the engineering charge.		
30.	Design, Supply & Delivery of necessary Zonal Field Controller, battery, Solar system and Communication Link licenses free Radio 2.5 GHz with necessary cables & accessories to communicate with Control Center including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
31.	Design, Supply & Delivery of necessary Field Control Unit (FCU) and Communication Link license free Radio 2.5 GHz with necessary cables & accessories to communicate with Control Center including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
32.	Supply, installation, testing and commissioning of Chargeable Batteries (Li battery 4.2 DC, 5 Ah current) to operate zonal controller units, including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
33.	Supply, installation, testing and commissioning of Solar Panel to charge batteries for operate zonal controller units, including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
34.	Supply, installation, testing and commissioning of Pressure Transmitter with 4 - 20 mA, water meter counter and vandalism proof output to connect with SCADA system including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
35.	Supply and delivery of Remote Terminal Unit (RTU) and Communication Link license free Radio 2.4 GHz for controlling 4 Solenoid valves remotely from control room for each shifts in 50 Ha Subzone and in 50 Ha there are 18 shifts, including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
36.	Supply, installation, testing and commissioning of chargeable Batteries to operate Remote Terminal Unit & Solenoid valves for each shifts in 50 Ha subzone and in 50 Ha subzone there are 18 shifts, including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
37.	Supply, installation, testing and commissioning of Solar Panel to charge batteries for each shifts in 50 Ha Subzone and in 50 Ha there are 18 shifts including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	

Sl. No.	List of Items	Unit	Remarks
38.	Supply of necessary field controller, batteries, solar system (suitable for the above system), with necessary cables & accessories to communicate with Control Center including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
39.	Supply of Remote Terminal Unit (RTU) for controlling 4 Solenoid valves remotely from control room for each shifts in 50 Ha Subzone and in 50 Ha there are 18 shifts, including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
40.	Supply of Chargeable Batteries to operate RTU & Solenoid valves, including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
41.	Supply of Solar Panel to charge batteries including cost of all materials, labour, loading, unloading etc. and with all lead and lifts etc. complete and as directed by Engineer-in charge.	Nos.	
42.	POWER TRANSFORMER: . Design, Manufacture, Testing at works and supply of 2.5 MVA & 4 MVA, 110/33KV, 3-Ph, 50Hz, Delta / Star connected, Dyn11 vector group, Copper Wound, ONAN cooled, Core type Transformer with OLTC, RTCC Panel with AVR, duly wired Marshalling box, Bucholtz relay, Oil surge relay etc Complete, confirming to IS: 2026, IS: 6600 and other relevant standard, with latest amendments, filled with Transil Oil and 10% spare oil in non-returnable drums, with suitable Terminal connectors for DRAKE ACSR conductor or suitable as per KPTCL Specifications.	Nos.	
43.	Design, manufacture, Testing at manufacturers place and supply of 33 KV Pilfer Resistant Multi way (1 I / C + 4 O / Gs) Metering Cubicle- It is free standing, floor mounting, compartmentalised, dust and vermin proof enclosure, with IP: 54, made of 12 SWG(2.5 mm Thk.) CRCA sheet steel, duly powder coated after chemical treatment, 33 KV Pilfer Resistant Multi way (1 i/c + 4 o/g) Metering Cubicle suitable for indoor / outdoor installation with air insulated three phase busbar, to house -	Nos.	
a.	Incomer - 33 kV 3 pole, 630 Amp, 25 kA STC for 3 sec, Draw out type MCVCB, with built in DC Power pack, 3 number of Single Phase epoxy resin cast CT's, Ratio : - / 1 Amp, Accuracy Class : 0.2, 15 VA, conforming to IS : 2705 (Part-I & II)/1992, (Rev. - 2) & 3 number of Single Phase epoxy resin cast PT having specification 33 kV/110 Volts / $\sqrt{3}$, Accuracy Class : 0.2S, Burden : 50 VA, conforming to IS : 3156 (Part - I & II) /1992, with 0.2S class 3 phase 4 wire Tri-Vector Meter, for Main Incomer - 1 No with necessary protection scheme,		
b.	Outgoing - 33 kV 3 pole, 630 Amp, 25 kA STC for 3 sec, Draw out type MCVCB, with built in DC Power pack, 3 number of Single Phase epoxy resin cast CT's, Ratio : - / 1 Amp, Accuracy Class : 0.2, 15 VA, conforming to IS : 2705 (Part-I & II)/1992, (Rev. - 2) & 3 number of Single Phase epoxy resin cast PT having specification 33 kV/110 Volts / $\sqrt{3}$, Accuracy Class : 0.2S, Burden : 50 VA, conforming to IS : 3156 (Part - I & II) /1992, with 0.2S class 3 phase 4 wire Tri-Vector Meter, for Main Incomer - 4 No with necessary protection scheme, and cable entry on both incomer and outgoing sides, as per ESCOM norms, & instruction of Engineer in-charge.		
44.	Design, manufacture, testing at manufacturer place, and supply of LT Power Distribution cum Motor Control Centre - It is free standing,	Nos.	

Sl. No.	List of Items	Unit	Remarks
	floor mounting, compartmentalised, dust and vermin proof enclosure, with IP: 54, made of 14 SWG(2 mm Thk.) CRCA sheet steel, duly powder cated after chemical treatment, suitable for indoor installation, with air insulated TPN Bus Bar chamber, to house following Components -		
i.	INCOMER:		
a.	250 A / 400 A / 630 A, 50 kA, TPN MCCB, with shunt trip coil - 1 No		
b.	Metering Compartment comprising Analog Ammeter and Voltmeter of size 96 x 96 mm, flush type with selector switch and current transformers. 22.5 mm dia Cluster LED Indicators, ELR with CBCT etc.		
c.	Air insulated, colour coded, TPN busbars made of electrolytic grade Aluminium strip.		
ii.	Outgoings:		
a.	Drytype Auto Transformer / FCMA type starters with necessary rated current transformers, Motor Protection Relay, and backup protection switchgear for motor - 4 Nos(3 W + 1 S).		
b.	APFC compartment with APFC relay + MCB / MCCB / SFU + Capacitor duty contactors + Power Capacitors suitable for manual and auto operation.		
c.	Auxiliaries for indoor and outdoor lighting, Power plug for welding etc and supply for other auxiliaries.		

1. The envelope containing the informative Quotation should bear clear inscription on the envelope that Quotation is for supply of Items pertaining to drip Irrigation and tank filling scheme under Upper Bhadra Project for Command area under Tumkur Branch Canal 0.00 km to 76.00 km as said above.
2. The rates should include transportation charges from factory to work spot and it shall include GST (GST to be mentioned separately before arriving at the final rate).

The details of the quotation may be had from the Nigam website vjnl.in. The sealed informative quotation should reach this office on or before 15-12-2020 upto 5.00 pm.

Yours faithfully,
Sd/-

Executive Engineer,
VJNL, UBP Division No.3,
Ajjampura.

No. EE/VJNL/UBP/D-03/Ajjampura/PB-1/TBC drip /Quotation/2020-21/ ⁶⁷⁵ ~~dated~~ dated: 25-11-2020

1. Copy submitted to Managing Director, VJNL, Bengaluru for kind information.
2. Copy submitted to Chief Engineer, VJNL, UBP zone, Chitradurga for kind information.
3. Copy submitted to Superintending Engineer, VJNL, UBP Circle No-1, B. R. Project for kind information.

Executive Engineer,
VJNL, UBP Division No.3,
Ajjampura.

