

Government of Maharashtra
Water Resources Department

Superintending Engineer, Mechanical Circle, Kolhapur

Budgetary offer for the following work (*Non DSR items*) are invited by the Executive Engineer, Mechanical Division, Satara-415003 Phone No. 02162-246029 on behalf of Governor of Maharashtra for estimation purpose from the reputed Manufacturers/Suppliers.

The Government of Maharashtra, Water Resources Department, has undertaken the work to **Supplying, Erection & Commissioning Of Lighting Arrestor and It's Allied Accessories & Materials For Lighting Protection @ Jihe Kathapur Barrage Gates (LIS Stage-I)**.The details and short specifications of required items are available on the website mentioned below.

It is requested to send the budgetary offer mentioning item wise rates with rate analysis for the same. The rates should without GST and duties. The offer should reach this office within 10 days with effect from **Dt.12.02.2021 to Dt. 22.02.2021** on email./ by post/by hand Further it is requested to forward relevant Technical literature, brochures of equipments and your comments if any.

Sr. No.	Name of work	Remarks
1	Supplying, Erection & Commissioning Of Lighting Arrestor and It's Allied Accessories & Materials For Lighting Protection @ Jihe Kathapur Barrage Gates (LIS Stage-I).	Please refer Website for detailed Schedule

This information is required for the purpose of framing of working estimates and hence the urgency. This Budgetary offer is also available on website www.mahayantriki.org Bidder is requested to act in given time frame.

No.MDS/PB-2/lightning arrester/ **398** /of 2021
Office of the Executive Engineer,
Mechanical Division,
Krishnanagar, Satara PIN- 415003
Phone/fax No.02162/246029
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Date:10.02.2021

(A.R.Kalmegh)
Executive Engineer
Mechanical Division, Satara

SCHEDULE

Supplying, Erection & Commissioning Of Lighting Arrestor and It's Allied Accessorie & Materials For Lighting Protection @ Jihe Kathapur Barrage Gates (LIS Stage-I).

Sr. No.	Description Of Component (Parts)	Rate/ Unit
1	Supplying of Early Steamer Emission Lighting arrester: SITC Of advance Early Streamer Emission(ESE) Type of Lighting arrester of covering a radius 110 meter, when mounted at height of 5 meter above terrace floor level, having triggering tome 63 micron second, totally autonomus device, designed to work positively and negatively cloud conditions, internal triggering, circurity & electron should contain ambient electrical field sensor, charge accumulator, command and HV amplifier, transformer and triggering. It is designed as per NFC17-102 & iec 60-1:1989. ESE terminal should be tested for the impulse current 40 Ka (8/20microsec) with 5 positive and 5 negative impluse with following specification of Current Capacity>200KV(10/35microsec), Capacity against wind speed>40m/s, dimention,39cm, weight=4 Kg. The ESE Lighting arrester along with two digit transient event counter with display digit from 0 to 99 for a minimum count impluse >1 KA (8/20 micro sec) with degree of protection IP 20 with three earthing electrodezs of 1 mtr length in Grid	Nos.
2	Supply, Installation, Testing and Commissioning of maintainace free earthing comprising of electrode of 17.2 mm diameter Low Carbon steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based enviroment friendly back fill ground anhacing compound reired to fill up the exacavated earth with required quantity complete.	Nos.
3	Supplying copper strip of required size used for earthing on wall and/or any other purpose with necessary copper clamps fixed on wall painted with bituminous paint in an approved manner with joints required.	Mtr.
4	Supplying Annealed bare copper wire of high purity of different sizes used for earthing on wall with necessary Copper clamps fixed on wall/cable/conduct with screw in an approved manner.	Mtr.
5	Supplying and erecting the lighting counter required to observe the lightning occurrence at the lower end of the LA	No

Conditions:

1. The attachment provided should have specifications as per schedule.
2. Rate should be quoted with separate GST.
3. Trial operation will be of minimum 100 hrs and rates should be quoted accordingly.
4. The necessary training is to be provided to concerned staff.

(A.R.Kalmegh)
Executive Engineer
Mechanical Division, Satara