

## OFFICE OF THE SUPERINTENDING ENGINEER WORKS ESTABLISHMENT SECTION NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

POST SRINIVASNAGAR, MANGALURU - 575025 (DK)

Phone: [0824] - 2473029, 2473028

Email: re@nitk.edu.in

Fax: [0824] 2474033 Website: http://www.nitk.ac.in

No.55/ Inviting Quotation /32/2022-23/DM

Date: 16.02.2023

## NOTICE INVITING QUOTATIONS

The National Institute of Technology Karnataka, Surathkal (in short - NITK, Surathkal or Institute) is an autonomous Institute of the Govt. of India [under the Ministry of Education] imparting technical and science education. The Institute intends to "Removing and replacing sand filter and carbon filter media in 500KLD and 220KLD STP at premises of Quarters and back side of boys hostel", in NITK. In this connection, sealed quotations are invited by the undersigned subject to the terms and conditions enumerated here under from the agencies so as to reach this office on or before 22-02-2023 by 10:00 AM. The quotations shall be opened on the same day if possible.

SI. No.	Specification	500KLD	500KLD at Boy's	220KLD at Boy's	Total Quantity
1,32	(gm²) 0.80m² 0.25m² 0.25m² 0.00m² 0.50m²	Quarters	Hostel	Hostel	m <sup>3</sup>
		area	(fm)	×	
1.	Carbon Filter Media		nisite tesufi	Q an	
1	Removing & re-loading of carbon filter med drum with new media in five layers like	dia			
	Pebbles, gravel, Core silex, fine sand, carbon		Lengthb	100 0 18 61	
97 (0)	including providing diffuser strainer at the botto		do enotate	n halaas s	
15 21	by Scraping, cleaning the drum inside & applyi		I necheo b	es vettil be	
w) a	two coats of Red oxide painting etc. including co		le "leteori" e	ryod to al	le-
0.00	of Gasket, necessary door nut &bolt etc., taxe		inuisensia ,	nivasnage	
alout	transportation, labour, materials etc., wo complete as per the direction of Engineer-		mun Apiteri	alnea TPE)	7 75
00 1	charge as per the sketch enclosed.	n li w nodsamoln	aidi fuodim	noiteloup	at .
	Sharge as per the sketch cholosed.			ednejgeoor	al T
n dei en din	a. 40-25mm Pebbles (Density-1680.00 Kg/m³)	0.31m <sup>3</sup>	0.31m <sup>3</sup>	0.08m <sup>3</sup>	0.70m <sup>3</sup>
noi	b. 20-12mm Pebbles (Density-1680.00 Kg/m³)	0.31m <sup>3</sup>	0.31m <sup>3</sup>	0.08m <sup>3</sup>	0.70m <sup>3</sup>
14 14	0 12 Cmm Dobbles (Dansity 4000 00	0.04.3	0.01.0	STOLED STEEL	
	c. 12-6mm Pebbles (Density-1680.00 Kg/m³)	0.31m <sup>3</sup>	0.31m <sup>3</sup>	0.08m <sup>3</sup>	0.70m <sup>3</sup>
	<ul> <li>d. 10-3mm Pebbles (Density-1680.00 Kg/m³)</li> </ul>	0.40m <sup>3</sup>	0.40m <sup>3</sup>	0.10m <sup>3</sup>	0.90m <sup>3</sup>
3	e. 6-10mm gravels (Density-1400.00 Kg/m³)	0.60m <sup>3</sup>	0.60m <sup>3</sup>	0.10m <sup>3</sup>	1.30m <sup>3</sup>
Engl Engl	f. 3-6mm silex (Density-1538.00 Kg/m³)	0.60m <sup>3</sup>	0:60m <sup>3</sup>	0.15m <sup>3</sup>	1.35m <sup>3</sup>
olon	g. 0-1mm Fine sand (Density-1600.00	0.75m <sup>3</sup>	0.75m <sup>3</sup>	0.15m <sup>3</sup>	1.65m <sup>3</sup>
DESTREE	Kg/m³)				
	h. Carbon 450 IV mesh size 4-8mm (Density-2050.00 Kg/m³)	0.51m <sup>3</sup>	0.51m <sup>3</sup>	0.30m <sup>3</sup>	1.32m <sup>3</sup>
	i. Diffuser strainer	80.00 No's	80.00		160.00
			No's		No's

2.	Sand Filter Media	[HO 0.11]		,	
	Removing & re-loading of sand filter media drum	WORK			
6	with new media in four layers like Pebbles, gravel,	NSTITUTE	LAHOITAL		
	Core silex, fine sand & including providing diffuser	ST SRINIVAS	04		
	strainer at the bottom by Scraping, cleaning the				
198	drum inside & applying two coats of Red oxide	124] - 24 [302]	Filone: [0]		
ha.w	painting etc. including cost of Gasket, necessary	nik, edu, in	Email: reg		
_	door nut &bolt etc., taxes, transportation, labour,				
10.81	materials etc., work complete as per the direction	2/2022-23/50	Lotation /	Inviting 0	LE.OM
	of Engineer-in-charge. as per the sketch				
	enclosed.	2 12 2	2 12 2		
	a. 40-25mm Pebbles (Density-1680.00 Kg/m³)	0.40m <sup>3</sup>	0.40m <sup>3</sup>	0.15m <sup>3</sup>	0.95m <sup>3</sup>
derli	b. 20-12mm Pebbles (Density-1680.00	0.40m <sup>3</sup>	0.40m <sup>3</sup>	0.15m <sup>3</sup>	0.95m <sup>3</sup>
redilla	Kg/m³)	of abritaini etc	iteni eriT	e education	anelce
MT	c. 12-6mm Pebbles (Density-1680.00	0.40m <sup>3</sup>	0.40m <sup>3</sup>	0.15m <sup>3</sup>	0.95m <sup>3</sup>
nunu	Kg/m <sup>3</sup> )	d beliving and b	erolistoup b	stion, seals	ennos .
MA I	d. 10-3mm Pebbles (Density-1680.00 Kg/m³)	0.51m <sup>3</sup>	0.51m <sup>3</sup>	0.18m <sup>3</sup>	1.20m <sup>3</sup>
1	e. 6-10mm gravels (Density-1400.00 Kg/m³)	0.51m <sup>3</sup>	0.51m <sup>3</sup>	.0.18m <sup>3</sup>	1.20m <sup>3</sup>
BLL	f. 3-6mm silex (Density-1538.00 Kg/m³)	0.60m <sup>3</sup>	0.60m <sup>3</sup>	0.25m <sup>3</sup>	1.45m <sup>3</sup>
	g. 0-1mm Fine sand (Density-1600.00 Kg/m³)	0.91m <sup>3</sup>	0.91m <sup>3</sup>	0.50m <sup>3</sup>	2.32m <sup>3</sup>
	h. Diffuser strainer	80.00 No's	80.00	Cs 444n F	160.00
	filter media		No's	Removing	No's

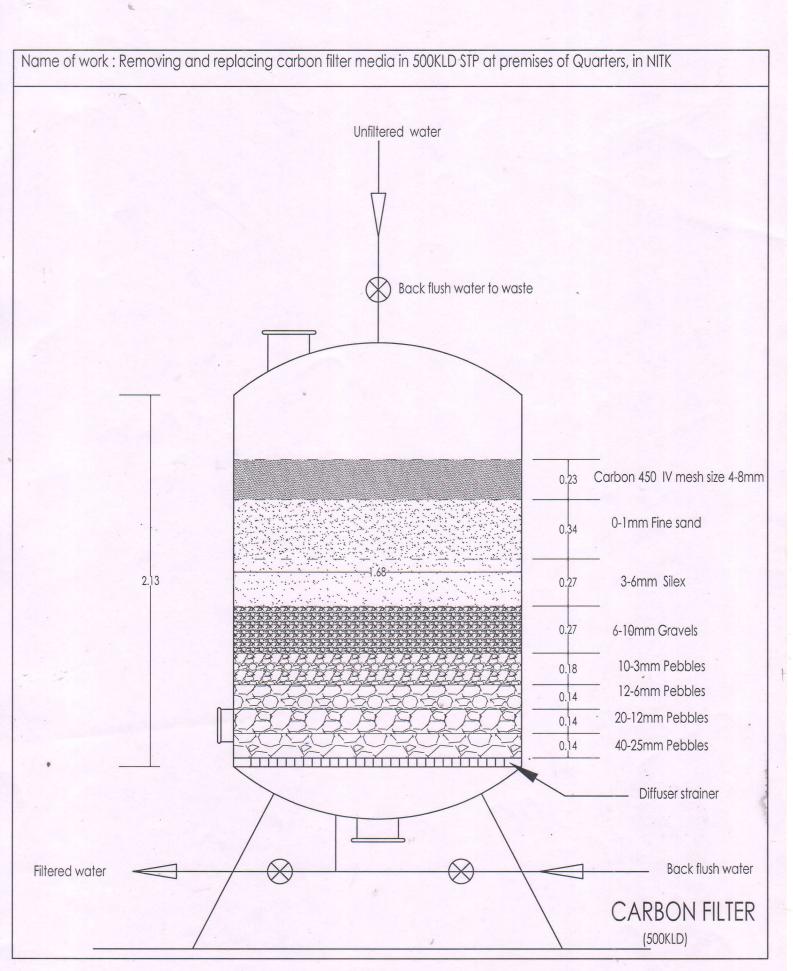
## Terms and conditions:

- The sealed quotations duly super scribed on the envelop as quotation for "Removing and replacing sand filter and carbon filter media in 500KLD and 220KLD STP at premises of Quarters and back side of boys hostel" and addressed to as "The Superintending Engineer, NITK, Surathkal, Post Srinivasnagar, Mangaluru – 575025" be sent so as to reach this office on or before the due date mentioned.
- 2. The GST registration number and the PAN number of the bidder shall be mentioned in the quotation. The quotation without this information will not be accepted. The rate quoted shall be valid for 90 days for its acceptance.
- 3. Quotation may be dropped in the Tender Box kept in the office or may be sent by post/ courier. It is the responsibility of the bidder to make sure that the quotation is delivered in time. The quotations received after the due date will not be entertained.
- 4. No advance payment will be made. The payment shall be made on after successful completion of work. No interest will be paid for delayed payments if any.
- 5. The rate quoted should be firm. no claim for enhancement of rate is admissible after opening of the Quotations.
- 6. The bidders should quote rates in the above format with necessary documents.
- 7. The undersigned reserve the right of rejecting all the quotations without assigning any reasons thereof.

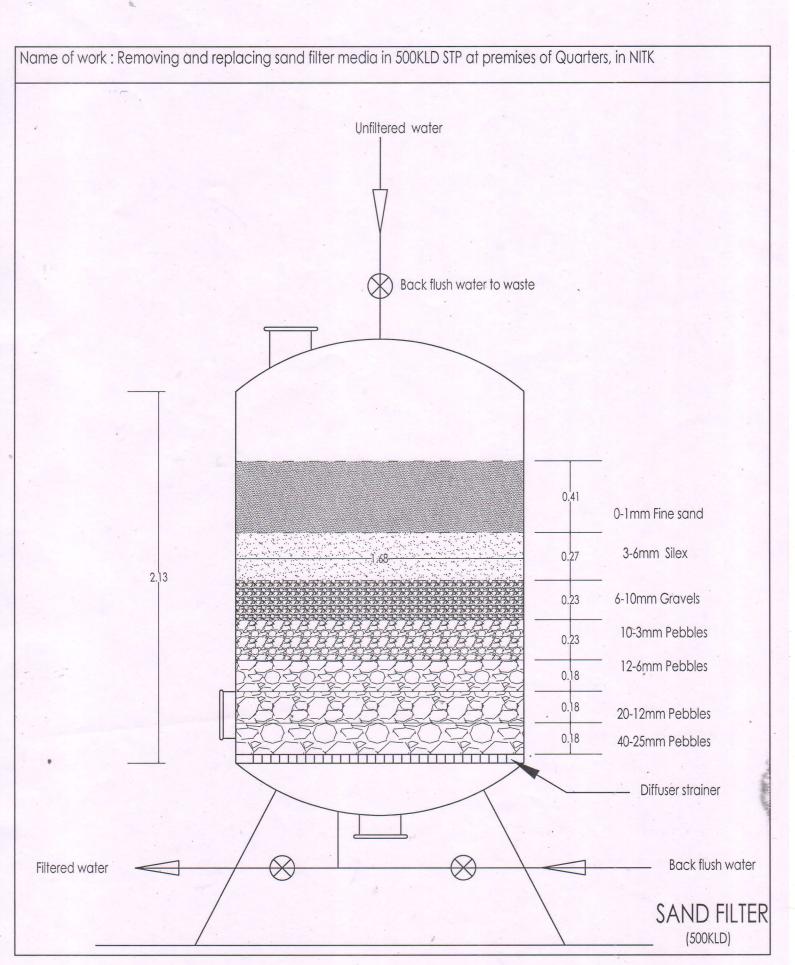
Superintending Engineer.

NITK Surathkal Superintending Engineer Work Establishmenî Section

National institute of Technology Karnataka Surathkal, P.O. Srinivasnagar- 575025



2 1 1



01:

Name of work: Removing and replacing carbon filter media in 500KLD STP at back side of boys hostel, in NITK Unfiltered water Back flush water to waste Carbon 450 IV mesh size 4-8mm 0-1mm Fine sand 2.13 3-6mm Silex 0.27 0.27 6-10mm Gravels 10-3mm Pebbles 0.18 12-6mm Pebbles 0.14 20-12mm Pebbles 0.14 40-25mm Pebbles 0.14 Diffuser strainer Back flush water Filtered water **CARBON FILTER** (500KLD)

01-1

Name of work: Removing and replacing sand filter media in 500KLD STP at back side of boys hostel, in NITK Unfiltered water Back flush water to waste 0.41 0-1mm Fine sand 3-6mm Silex 0.27 2.13 6-10mm Gravels 0.23 10-3mm Pebbles 0.23 12-6mm Pebbles 0.18 0.18 20-12mm Pebbles 0.18 40-25mm Pebbles Diffuser strainer Back flush water Filtered water SAND FILTER (500KLD)

Name of work: Removing and replacing sand filter media in 220KLD STP at back side of boys hostel, in NITK Unfiltered water Back flush water to waste 0-1mm Fine sand 0.53 2.05 3-6mm Silex 0.26 6-10mm Gravels 0.19 10-3mm Pebbles 0.19 12-6mm Pebbles 0.16 20-12mm Pebbles 0.16 0.16 40-25mm Pebbles Back flush water Filtered water SAND FILTER (220KLD)

M. w

Name of work: Removing and replacing carbon filter media in 220KLD STP at back side of boys hostel, in NITK Unfiltered water Back flush water to waste Carbon 450 IV mesh size 4-8mm 0.47 0-1mm Fine sand 2.05 0.23 3-6mm Silex 0.23 6-10mm Gravels 10-3mm Pebbles 12-6mm Pebbles 0.12 20-12mm Pebbles 0.12 0.12 40-25mm Pebbles Back flush water Filtered water CARBON FILTER (220KLD)

N.10