

Placed herewith a proposal submitted by Director of Snayon Healthcare & IT solutions Pvt Ltd. This is in reference to the initial meeting held on 8th June 2018 at the office of the Principal Secretary, UD & MA where a proposal for vector surveillance using quad copter drones has been proposed. As decided in the meeting that a pilot may be done preferably in Kamarkhali Municipality (Based on Dengue case and updated premises address). The Drone will be detecting the possible breeding spots and the respective house owner address will be linked so that an automatic notice to the house owner will be generated where possible breeding sites are identified. The details mechanism & principle of the system as proposed is enclosed herewith.

The detail address & name of house owner will be provided by UD & MA Dept.

Further a meeting has been held on 26/06/18 in the office of Director, SUDA where the presentation was made by Snayon Healthcare and further course of action will be planned. A letter with the concept note is submitted to Hon'ble MIC.

The proposal may be kindly be approved and further course of action in this regard may be kindly instructed

Dy Director

le
CPHO
27/6/18

The note above may kindly be approved & we may ask them to submit detail action plan with budget estimation

if approved.

~~Director~~

~~27/6/18~~
~~6/7/18~~

~~DD~~
~~CPA~~

~~9/7/18~~

Draft letter is hereby placed for kind approval and signature please. The same may be communicated to Director of Snayon Healthcare & IT solutions Pvt Ltd.

~~By Director~~

Draft letter may kindly be signed
~~12/7/18~~
~~17/7/18~~

~~Director~~

The proposal should be placed before Pr. Secretary. Prepare the proposal

~~DD~~

~~24/7/18~~

File returned today 2,
Pr. DO as asked by Director Sir.

~~CPA~~

Discussed & will be amended later

~~27/7/18~~

~~21/8/18~~

Enclosed on CP side the concept proposal along with the appreciation letter from pilot work in KMC as submitted by the Director of Snayon Healthcare.

A committee may be formed in this regard to review the proposal from different aspect and submit their comments to Director, SUDA.

Proposed composition of the committee:-

- 1) Dy. Director (chairperson)
- 2) Finance officer
- 3) 2 person from IT cell, SUDA
- 4) 2 person from Health mg SUDA - CPHO & PTHO
 ↑ CPHO as member convenor

Submitted for kind review and decision.

Dy. Director

Le
CPHO
6/8/18

M. Dis was.

OB/8/18

CPHO

2019

Government of West Bengal**Urban Development & Municipal Affairs Department****(Municipal Affairs Branch)****Establishment (Sectt.)****File No. MA/O/Estt. (Sectt.)/O-2/2019****Subject : Drone surveillance of water accumulation for prevention of mosquito breeding in Kamarhati Municipality**

Date : 10/10/2018

Notes & orders

The letter of Sri Somnath Dasgupta of M/s Snaayou Healthcare & IT Solution Pvt. Ltd. Dated 27.09.2018 addressed to Hon'ble HMIC, UD & MA Deptt. regarding their pilot Project using Drone for surveillance of Vector Borne threat detection at Kamarhati Municipality may kindly be perused.

Said letter was forwarded by HMIC to the Principal Secretary, UD & MA Deptt. with the remarks ("may work out details and start"). The said letter was endorsed to the undersigned. Thereafter, Chairman, Kamarhati Municipality was requested through telephonic discussion to provide Ward Nos. and areas where such drone surveillance would be needed.

In his letter bearing No.500/GNL dated 04/10/2018 Chairman, Kamarhati Municipality indicated 12 Nos. of wards viz., 1,5,8,9,16,17,22,24,29,32,33 & 35. Thereafter, a meeting was held on 09.10.2018 at the chamber of Principal Secretary, UD & MA Deptt. wherein the representatives of M/s Snaayou Healthcare & It Solution Pvt. Ltd. and councillors and officials of Kamarhati Municipality attended. In that meeting it was decided that drone surveillance of water accumulation etc would be done on experimental basis in Ward No.29 of Kamarhati Municipality and a notice u/s 333 of the West Bengal Municipal Act 1993 in connection with the Prevention of Mosquito Breeding through accumulation of water are to be served to the concerned holding owners/occupiers of the Ward No.29 of Kamarhati Municipality.

In this regard 3(three) quotations were submitted to the undersigned by the following three agencies.

Sl.	Name of the Agency	Rates Quoted(including GST)
1.	M/s Snaayou Healthcare & IT Solution Pvt. Ltd.	₹23,600.00 per day
2.	DRONES Tech Lab	₹47200.00 per day
3.	Zeniak Innovation India Limited	₹70,800.00 per day

From the above noted comparative statement it is found that M/s Snaayou Healthcare & IT Solution Pvt. Ltd. Has quoted lowest rate for drone surveillance for the pilot project at Kamarhati Municipality of duration of 5(five) hours per day of operation for 260 pictures taken per hour. This rate also includes generation of letters to the individual holding owners from the drone images taken.

The lowest rate quoted by M/s Snaayou Healthcare & IT Solution Pvt. Ltd. for drone surveillance work and generation of images and letters to the holding owners may kindly be accepted and we may request the agency to take up the work on experimental basis in Ward No.29 of Kamarhati Municipality, as suggested by the Chairman, Kamarhati Municipality.

A work order may also be issued in favour of the agency for completion of the drone survey within maximum 3(three) days immediately in consultation with the Chairman, Kamarhati Municipality and the copy of the work order may also be given to Chairman, Kamarhati Municipality for his necessary cooperation.

After completion of the work we may send the bill of the agency to Director, SUDA for making payment out of any suitable administrative expenses head.

JS(IT)

[Handwritten signature]
10/10/18

[Handwritten signature]
10/10/18

Work order issued to M/s Snaayou
Health Care & IT Solutions Pvt. Ltd.,
Kolkata - 700107 vide this office no.
1225/MA/O/Estt.(Sectt)/O-2/2019 dt. 12/10/18.

[Handwritten signature]
12/10/18

In reference to this Deptt. work order No.1225/MA/O/Estt.(Sectt)/O-2/2019 dated 12.10.2018 regarding Drone Surveillance pilot project in Ward No.29 of Kamarhati Municipality M/s Snaayou Healthcare & IT Solutions Pvt. Ltd., the Cambers, 503, Rajdanga Main Road, Kolkata - 700107 has submitted an Invoice vide No.SHIS/0010/UDMA/KM/10/2018-2019 dated 25.02.2019 for ₹47,200/- including 18% GST for Drone Surveillance Pilot Project in Ward No.29 of Kamarhati Municipality for identification of accumulated water there. The work conducted on 12, 13 and 27 October, 2018. They have generated 25(twenty five) letters for service among the municipal holding owners of that ward. The Chairman, Kamarhati Municipality vide his letter No.708/Gnl. Dated 26.12.2018 have given satisfactory certificated on the work done by the agency in the pilot project of drone surveillance. The said letter of Chairman, Kamarhati Municipality and bill of M/s Snaayou Healthcare & IT Solutions Pvt. Ltd. are placed in the file as Flag X & Y respectively.

The bill of M/s Snaayou Healthcare & IT Solutions Pvt. Ltd. for the above mentioned pilot project may kindly be sent to the Director, SUDA for making payment out of any administrative head of expenditure.

Submitted for kind perusal and necessary order.

Principal Secretary
[Handwritten signature]
JS(IT)

[Handwritten signature]
6/11/19
(S. K. Dutta)
Joint Secretary

May kindly take necessary
action for payment of bill
of the agency for first project
of drone surveillance work.

[Signature]
6/3/19

DDY 15/3/19

~~Director
CDDA~~

~~CPHO~~

W.r.t invoice no. SHIS/0070/VDMA/KM/10/2018-2019 dated 25/02/2019
(enclosed) as raised by Smayou Healthcare and IT Solutions Pvt
Ltd of an amount of Rs 47,200/- for conducting Drone
Surveillance in Ward no 29 of Kamachati npl during Oct 2018.

This activity may be considered as a part of strengthening
House to House and VET action by identifying potential
mosquito breeding sites where focused action may be
targetted.

Issuance of letter to holding owner has also served the
purpose of awareness generation regarding possible breeding sites
and role of community thereof.

Hence, FO to opine on fund position as suited to the
purpose.

A statement of recently proposed fund for different VBD
activities is furnished on cp side.

Submitted for necessary instruction

~~FO
JD~~

~~AO / Acct. P~~

~~CPHO
20/03/19~~

Pl. put up with fund position & provision
also. 20.3.19

Since approved, we may agree to release the
fund out of balance lying with Government & Contract
of VBD-VET.

Fund position may kindly be furnished.

Acct (Programme)

25/9/2019

As per notes and orders at NSP-01, 02, prepage and above

As on date fund availability statement in respect of VBD (VCT) placed in the file for consideration please.

Finance Officer

~~25-03-19~~

CPAO

Pl. 25.03.19

JD

Submitted for review and decision please

26/03/19

order pre-page - 2 bottom of Prop by, UDEMA.
May be released

Divyanshu

26/3/19

As proposed.

27/3

AS

FO

28/3/19

Acct, (S. 81A)

Pl. in

proven it SUDA'S file

29.3.19

As per notes and orders at prepage

As approved by Director, SUDA at prepage, to release the payment in favour of "SNAAYOU HEALTHCARE & IT SOLUTIONS PVT. LTD.", 01 (One) no. of Transfer Advice from HDFC Bank Ltd., Salt Lake, Sector-III branch as detailed below, has been prepared and placed herewith for signature of both Finance Officers, SUDA please.

Pay order endorsed on the body of the bill is for signature of Finance Officer, SUDA please.

Name of the Payee	Purpose of Payment	Gross Amt.	TDS Amt.	Net Amt.
SNAAYOU HEALTHCARE & IT SOLUTIONS PVT. LTD.	Release of payment for Submission of Report using Drone Surveillance for Vector Borne Diseases Undertaken in Ward No.29 of Kamarhati Municipality Vide Invoice No. SHIS/0010/UDMA/KM/10/2018-2019 dated 25.02.2019 against UDMA REF NO.1225/MA/O/ESTT. (SECTT.)/O-2/2019, dated 12.10.2018.	47,200/-	944/-	46,256/-
(Rupees Forty Six Thousand Two Hundred Fifty Six only)				

Finance Officer, SUDA
AND
Finance Officer, SUDA

29/03/19

Signed:
29.3.19

drabky