

DS-III
Pl upload in the
departmental web portal.
06.04.22



Government of West Bengal
Irrigation & Waterways Department
Jalasampad Bhavan, 3rd Floor, Western Block
Bidhannagar, Salt Lake City, Kolkata 700 091

g/e

No. 09 - IB
IW-14011(19)/2/2020-Section(IW)-Dept. of IW

Dated, 06.04.2022

ORDER

The Geographic Information System (GIS) based cross section survey, using Differential Global Positioning System (DGPS) based Real-Time Kinematic (RTK) survey equipment and Acoustic Doppler Current Profiler (ADCP), is being carried out since October, 2021 by the Investigation & Planning Unit of Irrigation & Waterways Directorate to assess the quantity of deposited silt on different drainage channels in and around Kolkata, in terms of the Departmental Order No. 140-IFC dated 27.07.2021 as a part of the comprehensive approach of the Department to improve the drainage in Kolkata and its adjoining areas through dredging of canals and installation of new pumping stations.

The Detailed Project Reports of proposed dredging of some canals in Kolkata and its adjoining areas have already been prepared and that for some other canals are in process of preparation using the cross sectional survey data, derived from the above stated ongoing DGPS/RTK based survey. Even Administrative Approvals and Works orders of some of the above stated dredging works in Kolkata and its adjoining areas including Howrah Municipal Corporation, have been accorded and issued.

Moreover, for all such capital dredging works in Kolkata and its adjoining areas including Howrah Municipality, using DGPS/RTK/ADCP in carrying out pre-works, intermediate post works and final post-works measurements, has been made mandatory, in terms of Departmental order NO.-11(W)/2021-22 dated 13.12.2021.

With a view to implement third party checking of the aforesaid dredging works, it has been decided in the Department to cross verify the pre-work and post work survey, carried out by the working divisions, with the survey carried out/ to be carried out by Investigation & Planning Wing using DGPS / RTK / ADCP technology. The concerned Working Divisions,

immediate after taking pre-work levels, will send the pre-work surveyed cross sections, in phases, to the Executive Engineer, Investigation & Planning Division(South), who will cross verify the same with the corresponding surveyed cross sections emerged from already carried out DGPS/RTK based survey by them. The out put of such cross verification of the pre-work levels will thereafter be conveyed phase wise to the working divisions by the Investigation & Planning Division (South). If the variation of silt quantity, for a particular reach, is more than 5% plus, the matter is to be brought to the notice of the Chief Engineer through the Superintending Engineer. The decision of the Chief Engineer in this regard will be binding in carrying out the dredging for the said reach. The Investigation & Planning Division (South) will further engage an agency , observing tender norms, to carry out the post-work cross section survey of the canals where dredging works are going on in Kolkata and its adjoining areas including Howrah Municipal Corporation. On completion of dredging and taking post-work level for any reach by the concerned Working Division, the Investigation & Planning Wing will cross verify 100% of the surveyed sections through independent separate DGPS/RTK based survey. Again, if the variation is more than 5% plus in any reach, the matter may be brought to the notice of the Chief Engineer through the concerned Superintending Engineer, whose decision will be binding in making payment. The reason for variation of more than 5% plus, at any particular reach, during pre-work or post work is to be clearly recorded both by Executing Division and Investigation Division. However, the total tendered quantity of the whole work should not be exceeded.

Roy 6/4/22
(Amit Roy)

Secretary to the
Government of West Bengal
Irrigation & Waterways Department

No . 09 (1)/1-IB
IW-14011(19)/2/2020-Section(IW)-Dept. of IW

Dated, 06.04.2022

Copy forwarded for information to :

1. Sr. Personal Secretary to P.S.
Irrigation & Waterways Department,
1st floor, Jalsampad Bhawan, Salt lake City,
Kolkata-91.

o/c

Roy 6/4/22
(Amit Roy)

Secretary to the
Government of West Bengal
Irrigation & Waterways Department

No . 09 (3)/1/1-IB
IW-14011(19)/2/2020-Section(IW)-Dept. of IW

Dated, 06.04.2022

Copy forwarded for information and necessary action to :

1. The Financial Advisor to I & W Department and Ex-Officio Spl. Secretary to Finance Department , Irrigation & Waterways Department, 1st floor, Jalsampad Bhawan, Salt lake City, Kolkata-91.
2. The Chief Engineer (South), Irrigation & Waterways Directorate, 1st floor, Jalsampad Bhawan, Salt lake City, Kolkata-91.
3. The Chief Engineer (West), Irrigation & Waterways Directorate, Kanainatsal, P.O.-Sreepally, P.S.-Bardhaman Sadar, Dist.-Purba Bardhaman, Pin-713103.

Roy 6/4/22 o/c
(Amit Roy)
Secretary to the
Government of West Bengal
Irrigation & Waterways Department