



DELHI JAL BOARD  
GOVERNMENT OF NCT OF DELHI  
OFFICE OF THE EXECUTIVE ENGINEER (SDW)-I  
KILOKRI SPS : JAL VIHAR : LAJPAT NAGAR : NEW DELHI-110 024 (INDIA)

NO:F-10/DJB/EE(SDW)-I/2012/ 364-375

DATED: 04/6/12

**INVITATION FOR EXPRESSION OF INTEREST**

Ring Road Sewage Pumping Station opp. Maharani Bagh, New Delhi, was commissioned in the year 1964. Mix flow / sewerage coming from Maharani Bagh, Friends Colony, Okhla and entire old Delhi area through gravity flow of incoming sewer line dia 900mm and 2700mm respectively is being received here and pumped to Okhla STP. There are 3 Nos. screen chambers which are about 15 to 16 mtr. in depth from ground level. The installed capacity of pump house is 240 MGD and designed capacity is 70 MGD. The incoming flow with domestic sewage have medium to large floating waste material like plastic bags, cloths, polythenes, plastic bottles, bricks, rags, dead animals, logs, solids, wooden pieces, cables etc. Presently there are manual bar screens installed at this sewage pumping station which are cleaned manually.

It is proposed to install mechanical coarse screens electrically operated for removing / screening out above said floating objects from the waste water to protect pumps, valves and other equipments.

The expected scope of works includes Designing, erection, testing, commissioning and maintenance of these heavy duty mechanical electrically operated screens capable for holding the impact of minimum 140 cusecs of waste water / sewerage at intake of Ring Road SPS for uninterrupted operation round the clock and removal of floating material as defined above. The screen shall be capable to remove from sewage all floating material through out the total depth of screen channel.

The dimensions of the channels are 3 ½ mtr. x 3 ½ mtr. x 15 mtr. depth, (2 Nos.) & 2.20 mtr. x 2.50 mtr x 15 mtr. depth, (1 No.). The velocity of the sewage shall be taken as approx 0.6 to 1.2 mtr. / sec. for design purposes. The given details / dimensions are tentative however agencies are requested to examine

