

Eastern Railway Environment Protection & Green Initiative, Howrah Division,

1. HWH station has been accredited with ISO Certification 14001:2015 on 06.06.19



2. Energy Audit for HWH station has been done & Report received on 06.06.19



3. Water Audit for HWH station has been done & Report received on 06.06.19



4. The entire waste water generated at HWH station is treated completely as per State Pollution Control Board norms and then released to the river Ganges. The capacity of the plant is 7 MLD.



5. All A1 & A category stations (HWH,BDC,BWN&RPH) of HWH division have been provided with Bottle Shredding Machines during Sept'19 as a compliance of NGT directives



6. Vertical Garden was created in the station premises last year to augment green touch. This year, anew garden “Bapu Udyan” has been created in HWH station circulating area and a bust of Gandhiji is provided therein. It was inaugurated by Sri Suneet Sharma, GM/ER on 2nd Oct'2019 during celebration of 150th birth anniversary of Mahatma Gandhi.



7. **NURSERIES:**Three nurseries have been developed and opened on 2.10.19 at HWH Goods Yard, Near Jubilee Bridge at HooglyGhat/Garifa and Liluah. Nursery at HWH good was inaugurated by GM/ER 2nd Oct'2019 during celebration of 150th birth anniversary of Mahatma Gandhi.



8. Airport like illumination has been provided at Howrah station by 100% LED ight fittings. Around 225 Lux average illuminations is available. This is as per latest Railway Board Guidelines of above 200 Lux. Such Airport type illumination is also provided at BWN,RPH,SNT,RJG,PKR,BDC and HGY.

9. HH div was pioneer in Installing 13 nos. High Volume Low Speed fans for better passenger comfort and elimination of noise arising from Air Circulator fans. This year 2 nos. HVLS fan of sweep 14 ft have been installed at Concourse area of platform no. 22 & 23 of Howrah New Station Complex.It also saves energy to the tune of 64255 KWH/year



10. 8 food stalls under IRCTC are available in the station premises for passengers and all of these have obtained consent to operate/establish certification from the West Bengal Pollution Control Board (WBPCB).

11. Cleanliness and hygiene throughout HWH Station is monitored from a central control Room that is fed by a network of CCTV cameras.



12. A showcase has been made containing one hour generation of PET bottle (550 Nos) at HWH station to sensitize people to reduce use of plastic.



13. 224893 nos. trees plantation including seeding has been done during this year against 23300nos last year.



14. **Installation of 3 million-Watt Solar Panel**, consisting of 9125 PV modules, has been commissioned and grid connectivity done on the rooftop of New Power House and Howrah Station Platforms. This is the biggest solar plant on rooftop of any station bringing expected saving of 1.9 Cr annually. The plant has been provided under PPA of RESCO model without any CAPEX & OPEX by Railways.



15. Solar Geyser of capacity 1000 LPD has been provided at AZ New Running Room. Such geysers are already provided in TAK,BWN,RPH,PKR,KWAE and AZ Old Running rooms. Work is also in progress for Howrah Running room and Orthopedic Hospital.

16. Celebration of 150th Birth Anniversary of Father of the Nation on 02.10.2019.

- Distribution of cloth bags by GM Eastern Railway signifying the ban on plastic bag in Howrah Station Area.
- Inauguration of bust of Father of the Nation at Garden near New Parking Area.



17. Cleanliness monitoring through dedicated whatApp group. Monitoring of Cleanliness of station throughout Howrah Division is now being done through this “Clean and Green Howrah” WhatsApp group.

18. All India Cleanliness Ratings in Third Party Audit:

- Rating of Howrah Station has increased substantially to 29 in 2019 from 71 in 2018, amongst 75 A-1 category stations.
- Howrah Station secured 7th position among 21 NSG-1 category stations in the country with 812 marks.
- Howrah Station has registered 39% improvement in cleanliness score over 2016, the beginning year of All India cleanliness ratings.
- BDC, BWN & RPH station has also registered 45%, 49% & 34% improvement in cleanliness scores over 2016 respectively.



19. 177 nos. twin tab stainless steel dustbins at Howrah station Complex & 35 nos. at BWN station have been installed to facilitate segregation of waste at source.

