

Minutes of the meeting for 101st Meeting of Expert Appraisal Committee (Infra-II) for projects related to airports 7(a); common hazardous waste treatment, storage and disposal facilities 7(d); common bio-medical waste treatment facilities 7(da); common effluent treatment plants 7(h); common municipal solid waste management facility 7(i); building and construction 8(a) and townships and area development projects 8(b) held on 20.01.2023.

VENUE: Teesta Conference Hall, First Floor, Vayu Wing, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110 003 (Hybrid Mode)

DATE: 20.01.2023

PROCEEDINGS

101.1 Opening Remarks of the Chairman: The Chairman extended warm welcome to the Members and other participants in the meeting and broadly introduced the agenda for the meeting, adopted by the EAC. The Member Secretary was then requested to begin the proceedings.

101.2 Confirmation of Minutes of 100th Meeting of Expert Appraisal Committee (Infra-II) held on 11.01.2023.

The Expert Appraisal Committee (Infra-II), hereinafter referred to as the EAC (Infra-II), was informed by the Member Secretary that no representation has been received regarding the correctness of the minutes of the 100th meeting of EAC (Infra-II) held on 11.01.2023 after it was uploaded on the PARIVESH. However, EAC Members have suggested following minor correction:

Sl. No.	Page/para Number in 100thMoM	Text as per 100thMoM	Read as
1.	Page No. 3 Para 4, Point No. (xiii)	Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the Delhi Pollution Control Committee/CPCB . Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.	At least Six Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the concerned Pollution Control Board/Pollution Control Committee/CPCB . Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.

The Minutes of 100th meeting of EAC were corrected based on the suggestions submitted by the committee members and confirmed with the observation that the typographical errors, if any noticed during processing of these cases, may be corrected appropriately in the light of relevant facts and figures.

101.3 Consideration of Proposals: The EAC (Infra-II) considered proposals as per the agenda adopted for the 101st meeting. The details of deliberations held and decisions taken in the meeting are as hereunder:

Agenda 101.3.1

Environmental Clearance for Development of Sarsawa Airport (Integration of Terminal Building and Allied Facilities in Sarsawa Airstrip) at Village SherpurNaqeebpur, Tehsil Nakur, District Saharanpur, Uttar Pradesh by M/s Airports Authority of India – Further consideration for Environmental Clearance

(IA/UP/INFRA2/405964/2022; F. No. 21-97/2021-IA-III)

Detailed information on the proposal is given in **Annexure-1**. The proposal was last considered by EAC in its 98th meeting held on 30.11.2022; wherein EAC had felt that the budget provided for EMP is severely inadequate both in terms of the activities planned as also in the amounts provided. Also many activities like barricading, site safety signages, housing for labour during construction phase, cots for labourers, and provision for toilets and water for them had been included in the EMP when these should actually form part of the main airport construction activity itself. Accordingly, the EAC deferred the proposal and asked the PP to prepare EMP afresh with appropriate short term and long term environmental damage mitigation measures and submit the same in complete shape to the MoEF&CC.

2. The proponent has submitted the revised EMP through PARIVESH portal on 06.01.2023 and the same has been considered by EAC in the present meeting. As per the revised EMP, the capital and recurring cost proposed during the short construction phase is Rs. 6.28 Lakhs and Rs. 25.83 Lakhs/per year, respectively. During this phase the capital cost is low because most of the equipments needed would be hired and thus added to the recurring cost. During operation phase, however, the capital cost would amount to Rs. 124.15 Lakhs due to procurement of the needed equipments and Rs. 15.01 Lakhs/year would be the recurring cost.

3. After detailed deliberation, EAC approved the EMP with the observation that a scientific management of topsoil removed during

construction phase is required with 'conservation, and earliest and continuous reuse' as the guiding approach. Accordingly, the EAC has **recommended** the proposal for grant of Environmental Clearance with following specific conditions in addition to standard general conditions stipulated by the Ministry for such projects:

- (i) Topsoil removed during construction phase should be managed scientifically with 'conservation, and earliest and continuous reuse' as the guiding approach
- (ii) Construction activities that are likely to cause noise nuisance to nearby residents should be carried out only between 6 am to 8 pm.
- (iii) Strict air pollution control and mitigation measures during the construction phase delineated in the EMP must be effectively implemented.
- (iv) A detailed traffic management & decongestion plan shall be drawn up and got validated by the State Urban Development Department and thereafter implemented to the satisfaction of the AAI.
- (v) Rain water harvesting structures shall conform to CGWA designs. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.
- (vi) A certificate from the competent authority/agency handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (vii) Fresh water requirement from local authority shall not exceed 26 KLD during operational phase. Extraction of ground water shall be subject to the permission of Central Ground Water Authority (CGWA).
- (viii) The wastewater shall be treated using the most effective technology available and the treated water from the STP shall be recycled and reused for gardening, flushing etc. There shall be no discharge of treated water from the project.
- (ix) The project proponents would commission a third-party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing, and the quality of water being supplied through spray faucets attached to toilet seats.
- (x) The proponent shall also provide electric charging points in the parking areas for e-vehicles.
- (xi) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulations or Statutes as applicable to the project.
- (xii) The project proponent is required to furnish a certificate from the Chief Wildlife Warden of the State that the proposed project site is located at the distance of more than 10 km from boundary of the nearest protected areas. This certificate should be submitted to the concerned Integrated Regional Office of the Ministry within a fortnight of the issuance of the environmental clearance letter.

LIST OF PARTICIPANTS OF EAC (INFRASTRUCTURE-2) IN 101st MEETING OF EAC (INFRA-2) HELD ON 20.01.2023

Sl. No.	Name	Designation	Attendance	Remarks
1.	Dr.Promode Kant	Chairman	Present	Virtual
2.	Shri Monish Mullick	Member	Absent	-
3.	Dr.Satish C. Garkoti	Member	Present	Virtual
4.	Dr.Arun Jyoti Nath	Member	Present	Virtual
5.	Prof. Inderjit Singh	Member	Absent	-
6.	Prof. P. K Joshi	Member	Present	Virtual
7.	Dr.Arun Kumar Saraf	Member	Present	Physical
8.	Dr.Hema Achyuthan	Member	Present	Physical
9.	Dr. Harish C. Nainwal	Member	Absent	-
10.	ShriAshwani Kumar	Member	Present	Virtual
11.	Dr. Meenakshi Dhote	Member	Absent	-
12.	Dr. Ragavan P	Special Invitee	Present	Physical
13.	Dr. Ashish Kumar	Additional Director & Member Secretary	Present	Physical

Annexure -1

Background information, details of appraisal during earlier EAC meetings and information submitted by the project proponent in compliance to ADS raised, if any

Agenda 101.3.1

Environmental Clearance for Development of Sarsawa Airport (Integration of Terminal Building and Allied Facilities in Sarsawa Airstrip) at Village SherpurNaqeebpur, Tehsil Nakur, District Saharanpur, Uttar Pradesh by M/s Airports Authority of India – Further consideration for Environmental Clearance.

(IA/UP/INFRA2/405964/2022; F. No. 21-97/2021-IA-III)

1. Earlier the proposal was considered by EAC in its 98th meeting held on 30.11.2022. The project details submitted by the proponent during the 98th meeting are as follows:

- (i) The project is new.
- (ii) The project is located at Khasra No. 207, 215, 208, 306, 225, 210, 226, 223, 229, 227, 211, 228, 209, 239, 355, 362, 224, 250, 212, 15, 74, 103, 246, 234, 522, 206, 249, 244, 238, 245, 217, 246, 248, 243, 216, 253, 247, 251, 252, 240, 241, Village-SherpurNaqeebpur, Tehsil-Nakur, District-Saharanpur, Uttar Pradesh-247232. The site co-ordinates are 29°59'19.95"N Latitude and 77°24'24.64"E Longitude.
- (iii) The total plot area of the project is 65.04 Acres i.e., 26.3304 ha. (Excluding area of runway & IAF base). Total built-up area is 3900 sq. m. Maximum height of the building is 15 m. Total handling capacity of project will be 150 persons per day (Arrival- 75 PAX + Departure- 75 PAX).
- (iv) The proposed land has been handed over by State Government, Uttar Pradesh to Airports Authority of India for development of terminal building and allied facilities besides Sarsawa Airstrip. Hence, the land use has already been changed for Transportation and there will be no further change in land use.
- (v) Earlier, the project was granted Terms of Reference vide F. No. 21-97/2021-IA.III dated 15.11.2021 and Public Hearing for the project has been successfully conducted on 22.08.2022 at B. D. Inter College, Village Budheda, Block Sarsawa, Tehsil Nakud, Dist-Saharanpur under the chairmanship of District Magistrate, Saharanpur.
- (vi) During the public hearing chaired by the District collector there was no opposition to the project and, in fact, it was welcomed by the villagers who attended the hearing. There was no land acquisition is involved in facility proposed to be established or/on land belonging to

state government which has been transferred to AAI for this purpose. The collector, Chairman of the public hearing suggested if health and education supports to the local villagers by the PP which they agreed to and the same has been brought into the CSR plan.

- (vii) Total water requirement during construction phase is 10 KLD (5 KLD for construction workers and 5 KLD for construction works. Domestic sewage generated from labours (4 KLD will be disposed of in septic tanks attached with soak pits.
- (viii) Total water requirement of the project will be 74.8 KLD. Out of total, freshwater requirement will be 58.5 KLD and rest will be sufficed by recycling STP treated water. Freshwater will be sourced by borewell (2 no.). Total wastewater generation from airport will be 17.4 KLD that will be sent to Sewage Treatment Plant (Capacity-25 KLD). 16.3 KLD of STP treated water will be completely reused in the premises for purposes like landscaping, flushing and miscellaneous works.
- (ix) Total 6 nos. of Rainwater Harvesting pits are being proposed for artificial rainwater recharge within the project premises. Volume of each pit is 176.63 m³.
- (x) Solid waste generated during construction phase will be managed by the site contractor. Municipal waste will be segregated into compostable and recyclable waste. Compostable waste will be treated in small Organic waste converter and recyclable waste will be sold to authorized vendor. Construction waste will be segregated into recyclable/reusable and discarded material. Recyclable material will be sold to authorize dealers. Re-usable material will be stored under covered conditions at site and reject will be disposed of at the designated locations by local body.
- (xi) There will be generation of some amount of C&D waste during site cleaning which will be stored in covered yards. Mobile C&D waste recycling plant may be installed at site for making waste reusable and separating impurities. Construction waste will be segregated into inert, recyclable/reusable and discarded material. Majorly waste will be used within the site for site levelling and construction of roads. Recyclable material will be sold to authorize dealers. Re-usable material will be stored under covered conditions at site and reject will be disposed of at the designated locations by local body. Barricading will be done along the waste storage & processing area. Waste will be transported in covered vehicles only. C&D waste management rules 2016 will be followed. The excess C&D waste shall be disposal site.
- (xii) 15 cm topsoil will be stripped off and will be stored in covered condition. Topsoil will be used for landscaping within the project site. All the excavated soil will be reused within the site for filling and levelling and construction of roads.
- (xiii) Solid waste generation during operation phase will be 81 kg/day. Biodegradable Waste (41 kg/day) will be treated in Organic Waste Converter to get converted to manure. Recyclable waste (39 kg/day) will be handed over to Approved Recycler. Sludge generation from STP will be used of landscaping.

- (xiv) During construction phase power requirement will be sourced by DG Set of 1×250 kVA capacity. During operation phase, the total power requirement of the project will be 250 kVA and same will be sourced by Uttar Pradesh RajyaVidyutUtpadan Nigam. In addition, for backup purposes, 3 no. of DG Sets of capacity 125 kVA (2- Operational; 1- Standby) will be installed.
- (xv) Upto 50 KWp capacity PV solar generation is proposed to ensure more than 15% of power load by solar power plant.
- (xvi) A Car Parking area of approx. 1500 sq. m has been proposed to be provided opposite to the terminal building for accommodating 50 Cars and 2 no. of buses. Parking Slots would have electric charging facility.
- (xvii) Proposed green belt area is 6679.00 sq. m. Green area will be provided on either side of terminal access roads. Landscaping will be maintained with strong avenue planting and lower-level shrubs with grass cover and hedges on all sides.
- (xviii) The project is not located in Critically Polluted area.
- (xix) The project is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- (xx) Forest Clearance is not required.
- (xxi) No tree cutting is involved. xxii. No court case is pending against the project.
- (xxii) CRZ Clearance is not required.
- (xxiii) Employment Potential: 100 persons during construction phase and 100 persons during operation phase.
- (xxiv) Total estimated cost of the project is ₹ 80 Crore. Capital cost of EMP during construction phase will be ₹ 97.23 lakhs and during operation phase will be ₹ 1.64 Crore.
- (xxv) Benefits of the project: The proposed project will help in development and revenue generation. It expects boost of industrialization, multimodel-connectivity, and infrastructure development in the hinterland. The commercial development such as retail outlets, food-courts, multiplexes and market zone shall lift the socio-economic status of the area. It will help in generation of employment opportunities that will grow steadily resulting in more demand of skilled, educated and unskilled people thereby increasing the standard of education and living in the city. The proposed project broadens the scope of opportunities as well as economic development of places like Saharanpur to give a boost in development of the city.

2. Based on the information submitted and clarifications provided by the PP and detailed discussions held on all the issues, the EAC it is 98th meeting has noted that the Airport belongs to the Indian Air Force (IAF) and it currently handles civilian flights only for VIPs travelling to Saharanpur and neighbouring towns. The current proposal is for establishment of terminal building and allied facilities for civilian use and integrate them with the existing IAF station. The Ministry had granted Terms of Reference to the project vide letter No. 21-97/2021-IA.III dated 15.11.2021. No land acquisition is involved in the project. The EAC also noted that during the public hearing, chaired by the District collector, there was no opposition to

the project and, in fact, it was welcomed by the villagers who attended the public hearing. Need for health care and education facilities to local villagers were raised during the public hearing and the project proponent agreed to include the same into their CSR plan.

3. After detailed deliberations, the EAC has felt that the budget provided for EMP is severely inadequate both in terms of the activities planned as also in the amounts provided. Also many activities like barricading, site safety signages, housing for labour during construction phase, cots for labourers, and provision for toilets and water for them have been included in the EMP when these should actually form part of the main airport construction activity itself. Accordingly, the EAC deferred the proposal in its 98th meeting and asked the PP to prepare EMP afresh with appropriate short term and long term environmental damage mitigation measures and submit the same in complete shape to the MoEF&CC.

4. In response, the proponent has submitted following revised EMP through PARIVESH portal on 06.01.2023 and the same was considered by EAC in its 101st meeting held on 20.01.2023.

- (i) As per the revised EMP, capital and recurring cost on EMP during construction phase will be Rs. 6.28 Lakhs and Rs. 25.83 Lakhs/year, respectively. During operation phase capital and recurring cost will be Rs. 124.15 Lakhs and Rs. 15.01 Lakhs/year, respectively. The cost breakup of the EMP is as follows:

Sl. No.	Item No.	Capital Cost	Recurring Cost/Year
Construction Phase			
1.	Mobile STP	0.00	1400000.00
2.	Topsoil Preservation	0.00	720000.00
3.	Waste Collection, Segregation, Disposal & Management	28500.00	133000.00
4.	Temporary storm water drainage (construction site, construction yards, labour camp sites)	600000.00	30000
5.	PPE cost for 100 labour	0.00	0.00
6.	Environment Monitoring	0.00	300000.00
Total Construction Phase		628500.00	2583000.00

Sl. No.	Item No.	Capital Cost	Recurring Cost/Year
Operation Stage			
1.	STP	1875000.00	200000.00
2.	Landscaping and planting tree	2500000.00	300000.00
3.	Rainwater Harvesting system	1290000.00	100000.00
4.	Waste Collection, Segregation, Disposal & Management	150000.00	401500.00
5.	Environmental Monitoring	0	500000.00
6.	Solar Energy	6600000.00	0

Total-Operation Phase	12415000.00	1501500.00
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ii. Detailed calculation for EMP during construction phase is as follows:

Sl. No	Item no	Rate	Total Cost in Rs
1	Mobile STP		
a	Wastewater generation from 100 Labour	3600.00	Litre
b	Cost of 1 Mobile STP (1000 Litre) -Rent	35000.00	
c	Mobile STP Required	4 Nos	
d	Cost of 4 Mobile STP	140000.00	Rs/month
h	Total Cost Mobile STP FOR 10 MONTHS		1400000.00
2	Top Soil Prevention		
a	No of water tankers required per day	2 Nos	
b	Cost of each water tanker per day with operator. DSR BASIC RATES CODE 0046	Rs 1200.00	
c	Total Cost for 10 months = 1200*2*30*10=7200000		720000.00
3	Waste collection		
a	Cost of Dustbin	950.00	
b	Dustbin Required (2 type of dustbin)	30.00	
c	Total cost for Dustbin		28500.00
d	Total Man power required 2 No @ Rs 550.00 Per day as per DSR Road work code 0043 (for one month considering 30 days)		33000.00
e	Rent Cost of waste collection truck for 30 days	10000.00	
f	Total cost for 10 Months		100000.00
4	Temporary storm water drainage		
a	length of drain	400 mtr	
b	Cost per Mtr of drain	Rs 1500.00	
c	Total Cost of Drain		600000.00
5	Environmental Monitoring (twice in a year)		300000.00
6	Provision of stacks with DG sets		30000.00

iii. Detailed calculation for EMP during Operation Phase is as follows:

Sr. No	Item no	Rate	Total Cost in Rs
1	STP 25 KLD		
a	Cost per KLD	Rs 75000.00	
b	Total Cost		1875000.00
2	Rain Water Harvesting		
a	Total rain water pits required	6 Nos	

b	Cost of each Pit	Rs 215000.00	
c	Total Cost		1290000.00
3	Water Collection, Segregation, disposal		
a	Cost of Organic waste converter	1.00	150000.00
b	Total Man power required 2 No @ Rs 550.00 Per day as per DSR Road work code 0043 (for one month considering 30 days)		401500.00
4	Environmental Monitoring (twice in a year)		500000.00
5	Solar energy 200 KW		
a	Total KW Required	200KW	
b	Cost Per KW	Rs 33000.00	
c	Total Cost of Solar Energy		6600000.00

5. The project/activity is covered under category 'A' of item 7(a) 'Airports' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level by sectoral EAC.
