

**MINUTES OF 93<sup>rd</sup> MEETING OF EXPERT APPRAISAL COMMITTEE (INFRA-2) HELD ON 5<sup>th</sup> AUGUST, 2022 IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**

**VENUE:** Indus Hall, Ground Floor, Jal Wing, Indira Paryavaran Bhawan, Jor Bagh, Delhi – 110 003.

**DATE:** 5<sup>th</sup> August, 2022

**PROCEEDINGS**

**93.1 Opening Remarks of the Chairman:** The Chairman extended warm welcome to the Members and other participants of the meeting. He briefly introduced the agenda for the meeting which was adopted by the EAC. The Member Secretary was then requested to begin the proceedings.

**93.2 Confirmation of Minutes of 92<sup>st</sup> Meeting of Expert Appraisal Committee (Infrastructure-2) held on 4<sup>th</sup> July, 2022.**

The EAC confirmed the minutes of 92<sup>nd</sup> meeting held on 4<sup>th</sup> July, 2022, after adopting the following typographical corrections:

<b>Page #</b>	<b>Item</b>	<b>For</b>	<b>Read as</b>
23	92.4.2 Table Column 4, Row 5,	Yes	Not Applicable
24	92.4.2 Table Column 4, Row 6,	Yes	Not Applicable
27	92.4.4 Para 2	1875 sq. m	1857 sq. m
28	92.4.4 Para 3.ii	1.25 KVA and 2.15 KVA	125 KVA and 15 KVA

**93.3 Consideration of Proposals:** The EAC (Infra-2) then considered individual proposals as per the agenda adopted for the 93<sup>rd</sup> meeting. The details of deliberations held and decisions taken in the meeting are as under:

**AGENDA ITEM NO: 93.3.1**

**Environmental Clearance for Establishment of Integrated Municipal Solid Waste Management Project for Jhumri Telaiya Nagar Parishad at Village Chandordih, Tehsil & District Koderma, Jharkhand by M/s Jhumri Telaiya Nagar Parishad – Environmental Clearance.**

**(IA/JH/MIS/157101/2020; F. No. 10-40/2020-IA.III)**

The project proponent (M/s Jhumri Telaiya Nagar Parishad) along with the EIA consultant (M/s Wolkem India Limited) made a presentation on above said proposal. The EAC (Infra-2) took note of following key parameters and salient features of the project as presented during the meeting as well as the details provided in the brief and application for this project:

- i. The proposed Integrated Municipal Solid Waste Management Project is located near Village Chandrodih, Khasra no - 598, Thana no - 290, Jambandi no -18, circle Koderma, District - Koderma, Jharkhand. Latitude 24°26'33.19"N and Longitude 85°35'59.00"E.
- ii. It is a Greenfield project.
- iii. Total area of the proposed project is about 8.0 acre (3.24 ha). Land use break-up of the proposed facility is as follows

<b>Sl. No</b>	<b>Description</b>	<b>Size (sq. m)</b>
1.	Built up area	280.00
2.	Platform area	1543.00
3.	Road area	7228.78
4.	Greenbelt area	10700.00
5.	Landfill area	11703.00
6.	Leachate Evaporation Tank	912.00
	<b>Total area</b>	<b>32366.78</b>

- iv. The present solid waste generation in Jhumri Telaiya is around 30.01 TPD & 9.81 TPD in Koderma, which is mostly comprising of domestic and commercial waste and is projected to around 44.48 TPD for Jhumri Telaiya & 16.86 TPD for Koderma in 2040.
- v. The Integrated municipal solid waste processing facility will be developed for 20 years time horizon.
- vi. It is proposed to establish the Integrated Waste Management Facility to handle about 52 TPD with Aerobic Compost Plant of 25 TPD, RDF Processing Plant of 20 TPD and Sanitary landfill area of 11703 sq. m.
- vii. Earlier, the Ministry had granted ToR for preparation of Environmental Impact Assessment (EIA) Report and Environment Management Plan (EMP) to this project vide letter no. 10-40/2020-IA. III dated 6<sup>th</sup> August, 2020.

- viii. Public Hearing was conducted on 24.01.2022 at Utkramit Madhya Vidyalaya, Barsotiyabar, Ward-15, Koderma Nagar Panchayat, Koderma, Jharkhand. The concerns raised during the public hearing inter alia include pollution problem, local employment, fertilizer availability to the farmer, mosquitoes problem, etc. Based on the issues/representation received from the public, project proponent made a statement of commitments and time bound action plan including budgetary provision.
- ix. Site selection criteria as per Solid Waste Management rules, 2016 as follows:

<b>Criteria for landfill site</b>	<b>Required as per SWM Rules, 2016</b>	<b>Actual Position</b>
Distance from Pond	>200 m	No pond within 200m from the project boundary.
Distance from Highway	>200 m	NH-31 2.5 km in NW direction
Distance from Habitation	>200 m	Chandrodih village is 0.22 km in N direction from project site
Distance from Public Parks	>200 m	No public park exists in 200m from the project boundary
Distance from Water supply wells	>200 m	No any water supply well was observed within 200m from the project boundary
Water table*	2m from bottom liner of landfill	Criteria Complied.
Earthquake zone*	500 m from fault line fracture	The project district comes under seismic zone III .
Airport/Airbase	>20 km	There is no airport in Koderma. The nearest airport is Bodh Gaya Airport in Bihar at 74.51 km in NW direction. Birsa Munda Airport, Ranchi at 128 km in SSW direction.
Floodplains (100 Yrs.) Zone of	Not Allowed	Not Applicable
Coastal Regulations	Not Allowed	
Wetland	Not Allowed	
Critical Habitat Area	Not Allowed	
Sensitive Eco Fragile Area	Not Allowed	
General Conditions: EIA Notification	EIA Notification 2006;	Yes, Koderma Wildlife Sanctuary is at the distance

<b>Criteria for landfill site</b>	<b>Required as per SWM Rules, 2016</b>	<b>Actual Position</b>
2006;Project is category A if	Requirement	of 3.3 km with respect to project site at North direction.
Protected Area under Wildlife	>10 km	Yes, Koderma Wildlife Sanctuary is at distance of 3.3 km with respect to project site at North direction.
Critically Polluted Area under CPCB	>10 km	Not Applicable
Notified Eco Sensitive Area	>10 km	Yes, Koderma ESZ boundary is at distance of 3.58 Km with respect to project site at NE direction as per MoEFCC gazette notification S.O. 2895(E) dated: 9 <sup>th</sup> August, 2019.
Interstate Boundaries or International Boundaries	>10 km	Not Applicable

- x. During Construction phase, 2.0 KLD fresh water will be required. During Operational phase, total water requirement will be 15.5 KLD of which 6.2 KLD is fresh water. The water will be sourced from PHED water supply.
- xi. The estimated power consumption during the operational phase will be 250 KVA which will be procured under the agreement with JBVNL. 63 KVA D.G Set for power back up.
- xii. The capital cost of project is ₹1023.25 lakhs. Estimated capital cost of EMP is ₹52.00 lakhs with recurring cost ₹15.70 lakhs per annum.
- xiii. Leachate Treatment plant of 20 KLD is proposed to treat leachate generated from landfill.
- xiv. The domestic wastewater generated (0.8KLD) will be treated through septic tank/soak pit. Wastewater generation (10.4 KLD) through floor washing/vehicle maintenance shed & process will be treated in Leachate Treatment of 20 KLD and treated water of 9.3 KLD will be recirculated in the process.
- xv. LED lamps and Solar panel is proposed as energy conservation measures in the project area.

- xvi. Rainwater harvesting from rooftop, paved areas and landscaping areas is proposed. Proposed Capital Cost and Annual recurring cost for Rain Water Harvesting is ₹5.0 lakhs and ₹2.0 lakhs respectively.
- xvii. The baseline environmental monitoring was carried out during pre-monsoon of year 1<sup>st</sup> October to 31<sup>st</sup> December 2018.
- xviii. Forest clearance is not required.
- xix. NBWL Clearance is not required.
- xx. Project site not located in Critically Polluted area.
- xxi. CRZ clearance is not required.
- xxii. No court case is pending against the project/project site.
- xxiii. Koderma Wildlife Sanctuary is situated at 3.3 km from the project site at North direction and Eco-Sensitive Zone (ESZ) boundary of Koderma Wildlife Sanctuary is at distance of 3.58 km with respect to project site at North East direction. The distance certificate from DFO-Wildlife, Hazaribagh, has taken on 29.08.2019 vide letter no.1775.
- xxiv. Green belt will be done in the periphery of the project site along with the other planned green areas within the site. Area proposed for green belt development is 10700 sq. m, which represents 36.16% of the project area.
- xxv. Employment: During construction phase, 30 persons will be employed. During operational phase, 15 persons will be employed on-site; in addition, about 150-200 temporary employees will be hired for primary collection, transportation and miscellaneous jobs.

**2.** The EAC (Infra-2) noted that the project/activity is covered under Category B of item 7(i) Common Municipal Solid Waste Management Facility (CMSWMF) of the Schedule to the EIA Notification, 2006 and its amendments, and requires appraisal at State Level. However, General Condition is applicable, due the presence of Koderma Wildlife Sanctuary within 3.3 km from the project site at North Direction. Accordingly, the project comes under category 'A' and requires appraisal at Central level by Sectoral EAC.

**3.** The EAC (Infra-2), based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues, has observed that the baseline data used of preparation of EIA/EMP report is more than three years old. As per the Ministry's OM dated 8<sup>th</sup> June, 2022, baseline data should not be older than three years at the time of submission of the proposal for grant of Environmental Clearance (EC). Further, EAC (Infra-2) observed that the site selection criteria are not examined and presented adequately. Accordingly,

the EAC (Infra-2) **deferred** the proposal and asked the project proponent to provide the following additional information for further consideration:

- i. Revalidation of baseline data of EIA/EMP report with fresh baseline data of one month collected during the post-monsoon period. Sampling design and number of samples to be collected should be statistically sound and approved at a high level in the SPCB.
- ii. Topmost priority has to be accorded in the EMP to ensure pollutants from the facility do not affect the Koderma wildlife sanctuary. For this water management within the proposed facility is the key. The possibility of groundwater contamination should be eliminated by identifying all potential sources for groundwater contamination and providing appropriate mitigation measures. Topographical features should be utilised to ensure surface runoff from the facility does not flow towards the drains leading to Koderma wildlife sanctuary.
- iii. Koderma settlement located North east to the site is likely to be affected by air pollution emanating from the facility. Adequate mitigation measures, including well designed tree planting, may be proposed in the EMP to protect the residents of this settlement against air pollution coming from the site.
- iv. Segregation of Hazardous waste has to be ensured and provided with appropriate details in the EMP.
- v. Details of seepage management, leachate drain system, leachate collection pit and circulation System may be adequately described in the EMP.

#### **AGENDA ITEM NO: 93.3.2**

**Environmental Clearance for Establishment of proposed facility for Incineration of Hazardous Waste and Non-hazardous Waste with a capacity of 300 TPM at Plot No. 43 & 44, KIADB Industrial Area, 2nd Phase, Kudumalakunte Village, Kasaba Hobli, Gowribidanur Taluk, Chikkaballapura District, Karnataka by M/s HRS Incinators – Environmental Clearance**

**(IA/KA/MIS/281786/2021; F. No. 21-122/2021-IA.III)**

The project proponent did not attend the meeting. Instead, requested for withdrawal of the proposal from the agenda of this meeting, vide letter dated 03.08.2022 sent through email and requested the following:

*“We had proposed for technology with wet scrubber for flue gas treatment. After detailed study on the advanced technologies available for flue gas treatment, the technology with Dry scrubber is found to be eco-friendly and more efficient compared to the wet scrubber technology as suggested by the technology provider. Thus, we would like to adopt the advanced technology*

*and include the same in our Environmental Impact Assessment study and resubmit the application. Hence, we hereby request you to allow us to update the EIA report and it is our humble request to consider the project for the upcoming EAC meeting.”*

The EAC returned the proposal in present form, as per the request of the project proponent.

**AGENDA ITEM NO: 93.3.3**

**Terms of References for Establishment of Common Treatment Storage and Disposal Facility (TSDF) (Incineration alone) at Plot No./Khasra No. 40/15/1/1, 4/2, 5/2, 6, 7, Village Umedgarh, Tehsil Ganaur, District Sonipat, Haryana by M/s GWS Waste Solution Private Limited – Terms of Reference**

**(IA/HR/MIS/281299/2022; F. No. 21-62/2022-IA.III)**

The project proponent (M/s GWS Waste Solution Private Limited) along with the EIA consultant (M/s Shivalik Solid Waste Management Ltd.) made a presentation on above said proposal. The EAC (Infra-2) took note of following key parameters and salient features of the project, as presented during the meeting as well as the details provided in the brief and application for this project:

- i. The proposed Common Treatment Storage and Disposal Facility (TSDF) (Incineration alone) is located at Khasra no.40/15/1/1, 4/2, 5/2, 6, 7, Village Umedgarh, Tehsil Ganaur, Dist. Sonipat, Haryana.
- ii. It is a Greenfield project.
- iii. The proposed capacity of common TSDF (Incinerator only) is 10,000 MT/year of Liquid & Solid hazardous Waste.
- iv. The proposed site is an agricultural land and change in land-use (CLU) has been obtained.
- v. Total plot area is 1 acre (4046.9 sq. m). Proposed land use breakup is as follows:

<b>Sl. No.</b>	<b>Detail</b>	<b>Area (sq. m)</b>
1.	Security Area	25
2.	Bathroom & Washing Area	25
3.	Office Area	100
4.	Lab Area	150
5.	Vehicle washing area	100
6.	ETP	50
7.	Incinerator	450
8.	Ash storage area	9
9.	Temporary storage Area	300
10.	Green Area (35%)	1419

11.	Road Area	890
12.	Parking	400
13.	Open Area	128.9
<b>Total</b>		<b>4046.9</b>

vi. Site selection criteria as per CPCB guidelines is given below:

Sl. No	Parameter	Criteria	Observation
1.	Lake or Pond	Should not be within 200m	None within 200m.
2.	River or stream	Should not be within 100m	Nearest river is Yamuna River at about 3 km (E).
3.	Flood plain	Should not be with 100 years flood plain	Site is not located in flood plain.
4.	Highway (State or National)	Should not be within 500m	Ghasauli-Pubnera road: 1.56 km, East direction. NH-44 (Jammu-Delhi Road): 5.10 km in west direction.
5.	Habitation	Should not be within 500m	Village Ram Nagar >500m in SW direction.
6.	Public Park	Should not be within 500m	None within the 500m.
7.	Critical habitat area-area in which one or more endangered species live	Should not be within such area	None in the area. Khapar was Wildlife Sanctuary is 84.10 km from the project site in SW direction.
8.	Reserve Forest Area	Should not be within such area	None within 10 km from the project site.
9.	Wetlands	Should not be within such area	None within such area.
10.	Airport	Should not be within zone around the Airports	Hindon Airport-approx. 50.71 km. IGI Airport, Delhi-approx. 59 km.
11.	Water supply	No water supply well within 500m	None within 500 m radius from the project site.
12.	Coastal regulation area	Should not be within a coastal regulation zone	Not within coastal regulation zone.
13.	Ground Water table level	GW table should be >2m from the base of the landfill	Ground water table is >2m. The proposed project is not secured landfill (SLF).



- vii. Maximum fresh water requirement will be 8 KLD. The source of fresh water will be ground water. Permission for ground water abstraction falls under the purview of state authority shall be sought.
- viii. Total wastewater generation will be 5.85 KLD [Domestic (2.4KLD) + Industrial (3.45KLD)]. Domestic wastewater will be treated in septic tank/soak pit. Industrial wastewater will have treated in ETP of 5 KLD capacity. ETP treated water (3.10 KLD) will used for plantation and maintaining of green area. The ETP sludge will be sent to the primary chamber for incineration same as other waste. There will be no effluent for disposal.
- ix. Ash from incinerator (about 2%) will be disposed of in TSDF landfill site located at Faridabad. MOU will be signed before operation of the facility. Used oil from DG sets shall be sold to registered recycler. Municipal waste will be disposed as per MSW rules.
- x. No tree cutting is involved.
- xi. NBWL Clearance is not required.
- xii. Forest Clearance is not required.
- xiii. No court case is pending against the project.
- xiv. No environmental sensitive area like National park, Sanctuary, Biosphere reserve Wild life corridor, Tiger/Elephant reserve exists in the 10 km radius.
- xv. The project is not located in critically polluted area.
- xvi. No habitation within project site. Nearest residential area is in Village Ram Nagar (>500m in SW direction) and Village Umedgarh (700 m in the North direction).
- xvii. In the periphery/surrounding area of plant, green belt will be developed. Area proposed for green belt development is 1419 sq. m, which is 35% of the total project area.
- xviii. The total power requirement is 75 KW. D.G. set of 75 KVA capacity is proposed to fulfill the power requirement in case of power failure.
- xix. Total cost of the project is ₹6 Crores.
- xx. Employment: Total manpower requirement for the proposed project will be around 10-15 personnel.
- xxi. Benefits: Positive impact on environment in terms of scientific management of hazardous waste in the region in accordance to the Hazardous Waste Management Rules. More employment opportunities will be created.

**2.** The EAC (Infra-2) noted that the above-mentioned project/activity is covered under category 'A' of item 7(d) 'Common Hazardous Waste

Treatment, Storage and Disposal Facilities (TSDFs)' of the schedule to the EIA Notification, 2006 and its subsequent amendments and required appraisal at Central level by sectoral EAC.

**3.** The EAC (Infra-2), based on the information and clarifications provided by the project proponent and detailed discussions held on all the issues, **recommended** for grant of Terms of Reference for 'Establishment of Common Treatment Storage and Disposal Facility (TSDF) (Incineration alone) at Plot No./Khasra No. 40/15/1/1, 4/2, 5/2, 6, 7, Village Umedgarh, Tehsil Ganaur, District Sonipat, Haryana by M/s GWS Waste Solution Private Limited' and for preparation of EIA/EMP report with public consultations subject to compliance of all conditions as notified in the standard ToRs applicable for such projects and specific conditions[additional ToRs), as mentioned below:

- i. Importance and benefits of the project.
- ii. Details of various waste management units with capacities for the proposed project. Details of utilities indicating size and capacity to be provided.
- iii. Specify the land area and space allotted for each activity proposed within the integrated waste management facility. The area requirements for each activity shall be calculated as per the CPCB guidelines for the specified activity.
- iv. List of waste to be handled and their source along with mode of transportation.
- v. Characteristics and source of each type of waste to be handled.
- vi. Details of storage and disposal of pre-processing and post-processing rejects/inert and products.
- vii. List of proposed end receivers for the rejects/inert/products should be provided. MoUs to be submitted in this regard.
- viii. The EIA would address to the conformity of site to the stipulations as made in the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and will have a complete chapter indicating conformity to the said rules. NOC shall be obtained from State Pollution Control Board regarding site suitability for establishment of TSDF.
- ix. Project proponents would also submit a write up on how their project proposal conform to the stipulations made in the "Protocol for Performance evolution and monitoring of the Common Hazardous Waste Treatment Storage and Disposal facilities including common Hazardous Waste incinerators", published by the CPCB on May 24, 2010.

- x. Other chemicals and materials required with quantities and storage capacities.
- xi. Details of temporary storage facility for storage of hazardous waste at project site.
- xii. Details of pre-treatment facility of hazardous waste at TSDF.
- xiii. Details of air emissions, effluents, hazardous/solid waste generation and their management.
- xiv. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- xv. Process description along with major equipment and machineries, process flow sheet (quantitative) from waste material to disposal to be provided.
- xvi. Hazard identification and details of proposed safety systems.
- xvii. Details of drainage of the project up to 5 km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided.
- xviii. Ground water quality monitoring in and around the project site.
- xix. The Air Quality Index shall be calculated for base level air quality.
- xx. Status of the land purchases in terms of land acquisition Act. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xxi. Details of effluent treatment and recycling process.
- xxii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- xxiii. A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users
- xxiv. The project proponents shall satisfactorily address all the complaints/suggestions that have been received against the project till the date of submission of proposals for Appraisal.
- xxv. Cost of project and time of completion.

- xxvi. A tabular chart with index for point wise compliance of above TORs.
- xxvii. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included.
- xxviii. A detailed plan for green belt development along with timeline.
- xxix. Details of Disaster Risk Resilient Infrastructure (in addition to Disaster Management Plan).
- xxx. Details of Risk assessment and safeguarding the health of the workers.
- xxxi. Installation of Automatic Weather Station (AWS) at project site.
- xxxii. Details of baseline data on Public Health for 2 km radius of the project site.

**AGENDA ITEM NO: 93.3.4.**

**Terms of Reference for Construction of Greenfield Airport with an area of 1250 acres in Kota, Rajasthan by M/s Airports Authority of India – Terms of Reference.**

**(IA/RJ/MIS/285485/2022; F. No. 21-63/2022-IA.III)**

The project proponent (M/s Airports Authority of India) made a presentation on above said proposal. The EAC (Infra-2) took note of following key parameters and salient features of the project as presented during the meeting as well as the details provided in the brief and application for this project:

- i. The project site is located in Kota District, Rajasthan. Geo-coordinates of the project site is given below:

<b>Point</b>	<b>LATITUDE</b>	<b>LONGITUDE</b>
1	25° 13' 36.105" N	75° 45' 10.037" E
2	25° 14' 53.387" N	75° 42' 16.724" E
3	25° 14' 33.177" N	75° 42' 6.558" E
4	25° 13' 1.636" N	75° 44' 57.080" E

- ii. It is a Greenfield project.
- iii. Total land area of the proposed project is 1250 acres (50,58,571 sq. m). Out of the 1250 acres land, 1152.95 (46,65,823.1122 sq. m) acres land area falls under the forest area.
- iv. The general ground elevation of the proposed site is 275 m. Above Mean Sea Level (AMSL) having maximum undulation of about 13 m.

- v. There will be permanent change in the land use, due to construction of Airport. The land cover of the proposed land will change as the proposed civil works will be taken place at the proposed area.
- vi. The project is located in Seismic Zone II as per IS:1893 (Part-1) 2002. Therefore, possibility of disaster due to earthquake may be anticipated.
- vii. The proposed project involves construction of Runway with dimension 3581 × 45 m suitable for A-321-200 type of Aircraft and other infrastructure like Parallel Taxi Track, Apron, Terminal building, ATC Complex, Fire Station (Cat-VI), Cargo facilities, Maintenance and Logistic, Catering Services and Airport Security.
- viii. The proposed project is to meet the demand of 1000 peak hour passengers.
- ix. Total Project cost is ₹1000 Crores (Approx.). Timeline for the completion of the project is 32 months (Approx.).
- x. During construction phase total water requirement is about 486 KLD. Out of which 275 KLD is fresh water requirement and 211 KLD is treated water. Water requirement is met through PHED water supply and external water sources.
- xi. The consumption of water during operation phase will be about 1100 KLD out of which 810 KLD is fresh water requirement and 290 KLD is treated water requirement. Water requirement for domestic purposes is met through an existing bore-well within the Airport. The total wastewater will generate is around 566 KLD. This wastewater will be treated in 680 KLD of STP. No wastewater will be discharged outside the facility.
- xii. The solid waste generated in the Airport will be mostly from the Terminal Building, flight kitchen and waste from Cargo complex and sludge from the STP. The waste will be segregated at source, temporarily stored in different coloured bins before disposal at identified storage sites. During the construction and operational phase of the project, collection and handling of domestic solid waste would be done in line with the provisions of the Municipal Solid Waste Rules 2000 (as amended).
- xiii. Hazardous waste generated during construction and operation phase shall be disposed as per the Hazardous Wastes Management and Handling Rules 2003 (As amended). Used oil generated during oil changes from emergency DG sets will be given to authorized agencies.
- xiv. Construction waste such as spoil, brick waste etc. will be used for levelling at the site. The hazardous wastes such as paints, solvents, wood preservatives, pesticides, adhesives and sealants will be stored

in sealed containers, labelled, and disposed of as per the Hazardous Wastes Management and Handling Rules, 2003, as amended.

- xv. The essential electrical services shall be backed with DG sets. All the electrical HT & LT cables shall be laid as per the stipulations of CPWD specifications. Solar power generation viz., solar lighting, solar roofing system etc. shall be provided.
- xvi. Tree cutting is involved.
- xvii. NBWL Clearance is not required.
- xviii. Forest Clearance is required as forest land of 1152.95 (46,65,823.1122 sq. m) acres is proposed for non-forestry purpose.
- xix. No court case is pending against the project.
- xx. No environmental sensitive area like National park, Sanctuary, Biosphere reserve Wild life corridor, Tiger/Elephant reserve exists in the 10 km radius.
- xxi. The project is not located in critically polluted area.
- xxii. There are no State and National Boundaries within 15 km of the project site.
- xxiii. Nearest habitation is located 510m in SE direction from the project site.
- xxiv. Employment: The direct employment during construction phase will be 460 skilled, unskilled and professional workforce temporary and permanent employees. These workforces shall be hired locally in order to generate the employment to the local people. While during the project operation stage for the purposes of day-to-day professional and maintenance works about 150 staff shall be required.
- xxv. Benefits: The proposed project enhance the domestic trade volume, to encourage, promote and facilitate more investment in enterprises and build a strong, responsive and vibrant business environment in the State, to raise efficiency and widening linkages in domestic production and building a diversified competitive export sector as the means of stimulating higher rates of growth and development.

**2.** The EAC (Infra-2) noted that the above-mentioned 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.

**3.** The EAC (Infra-2) appreciated the need for the construction of a new Airport at Kota, Rajasthan. However, EAC expressed concerns on the conversion of massive forest land of 1152.95 acres in the catchment of, and located very close to, the Bardha Dam for the proposed Airport. The EAC

was of the opinion that the diversion of such a large extent of forest lands for the construction of this airport will have high environmental costs which would be justifiable only when possible alternate sites force even higher costs on the society. There was nothing on record to show that alternate sites were considered as is required under Column 17 of the Form 1 though the project proponent during their presentation sought to orally assure the EAC that alternate sites had been examined by them and rejected. The project proponent is advised to undertake a serious exercise for proper site selection within a radius of, say, 35 kms of the Kota city. In this exercise they may first select 4 or 5 best suited airport sites from the point of view of topographical and other obstructions on the landing and take-off passages and then narrow down their choices to three best sites in order of preference using the standard processes of a techno-economic analysis. The project proponent may then present their request for this airport project again along with the techno economic analysis of these possible sites to enable the EAC to deliberate on the choice of site and make appropriate recommendations.

4. Therefore, based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues, the EAC (Infra 2) **deferred** further consideration of the proposal and desired proper justification as mentioned above from the proponent for reconsideration.

#### **AGENDA ITEM NO: 93.4**

#### **Amendment in Terms of Reference for Construction of New Greenfield Airport at Shimoga, Sogane Village limit in Shivamogga Taluka, Shivamogga District, Karnataka by Executive Engineer PWD & IWTD Special Division Shimoga – Re-consideration for amendment in Terms of Reference**

#### **(IA/KA/MIS/268539/2022; F. No. 21-27/2022-IA.III)**

The proposal is for seeking amendment in Terms of Reference granted vide F. No. 21-27/2022-IA-III dated 19.04.2022 for exemption from Public Hearing since there is no land acquisition and no Rehabilitation & Resettlement (R&R) involved in the proposed project. Details of the proposed project as follows:

- i. The project is located at Sogane Village limit, Survey No. 124/4, 120/P, 112/P, 113/P, 114/P, 121, 122/P2, 122/P3, 122/P6, 123/1, 123/2, 123/3, 123/7, 124/1, 124/7, 124/4, 124/6, 127/5, 1237/3, 131/1P, 131/3P1, 131/1P3, 131/1P2, 157/7P, 157/6P1, 157/3P, 157/2, 157/5, 157/1, 157/4, 157/6P2, 157/3, 161/P1, 161/P6, 161/1P3, 111/1, 111/2, 127/6, 127/4, 131/1P, 131/1P2, 131/1P3, 131/3P1, 133, 161/2, 161/P, 1, 2A, 2B, 3A, 3B, 3C, 3D, 3E, 4A, 4B, 5A, 5B, 5C, 6A, 6B, 6C, 6D, 6E, 7A, 7B, 7C, 7D, 8A, 8B, 8C, 9A, 9B,

10, 11, 12, 13A, 13B, 13C, 14A, 14B, 14C, 15A, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 19, 20, 21A, 21B, 21C, 23, 24A, 24B, 25, 26, 27A, 27B, 27C, 27D, 27E, 28, 29A, 29B, 29C, 29D, 120, 131, 133, 22, Siddaragudi, Vinayak nagara, Korlahalli, Harogatta, Doddibeelu, Othigatta, Ramapura villages of Shivamogga Taluk and District, Karnataka.

- ii. It is a Greenfield project.
- iii. Earlier, the project was considered in the 85<sup>th</sup> meeting of EAC (Infra 2) held during 30-31<sup>st</sup> March, 2022 and ToR has been issued vide F. No. 21-27/2022-IA-III dated 19.04.2022.
- iv. Thereafter, application has been submitted for amendment in ToR for exemption from Public Hearing since there is no land acquisition and no Rehabilitation & Resettlement (R&R) involved in the proposed project.
- v. The total land area for the proposed construction of Shivamogga Airport is in peaceful possession of PWD Department. Under Secretary, Infrastructure Development Department, vide letter dated 02.12.2019 has accorded the work of Construction of Airport in Sogane Village limit in Shivamoga Taluk and the work to be executed from Public Work Department.

**2.** The EAC (Infra-2) noted that 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.

**3.** It is also noted that the proposal was recommended by EAC (Infra-2) in its 87<sup>th</sup> meeting held on 29<sup>th</sup> April, 2022 taking into account that there is no R&R issue involved in the proposal as the total land area for the proposed construction is in possession of the project proponent and since the project had been issued an EC earlier vide letter No. 10-45/2008-IA-III dated 31.12.2008 for which public hearing has been conducted on 17.10.2008.

**4.** However, while processing the file in the Ministry, it was observed that recommendation of EAC for exemption from Public Hearing needs to be reconsidered on ground of following provisions under clause 7(i) (x) of the EIA Notification, 2006 as amended vide notification S.O. 1247(E) dated 18.03.2021:

*“(x) Notwithstanding anything contained above, the projects where construction and commissioning of proposed activities have not been completed within the validity period of the Environmental Clearance (EC) and a fresh application for EC has been submitted due to expiry of the said period of the EC, the concerned Expert Appraisal Committee or State Level Expert Committee, as the case may be, may exempt the requirement of public hearing*



*subject to the condition that the project has been implemented not less than fifty percentage in its physical form or construction.”*

5. Accordingly, an ADS was raised in respect of above mentioned clause of EIA Notification, 2006 to furnish information supported by affidavit stating the status of physical construction, i.e., work implemented as per the EC dated 31.12.2008. Subsequently, PP submitted the following additional information:

- i. Cutting and Embankment work has been completed after obtaining EC on 31.12.2008.
- ii. Geotechnical, Topographical & Obstacle Limited survey has been completed.

6. The matter was again taken up to EAC(Infra-2) during its 93<sup>rd</sup> meeting wherein, based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues, it was noted that the public hearing conducted for the earlier EC dated 31.12.2008 was more than a decade old and the validity of EC dated 31.12.2008 had also expired. Furthermore, as per the said notification dated 18.03.2021, Public Hearing exemption under para 7(i) (x) of EIA Notification, 2006 may be granted to projects who have completed at least fifty percent of the physical construction. However, in the instant case, only about 10% of activity has been completed as per the EC dated 31.12.2008. Accordingly, the EAC (Infra-2) withdrew its earlier recommendation granted during its 87<sup>th</sup> meeting and opined that fresh public consultation is must before appraisal of the project for environmental clearance. The project proponent during the meeting agreed for conducting fresh public consultation. Based on the presentation made and discussions held the Committee **returned** the proposal in its present form and suggested that the project proponent should conduct fresh public consultation as per the ToR granted vide F. No. 21-27/2022-IA-III dated 19.04.2022.

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**LIST OF PARTICIPANTS IN 93<sup>rd</sup> MEETING OF EAC (INFRA-2) HELD ON  
5<sup>th</sup> AUGUST, 2022**

<b>S. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Attendance</b>	<b>Remarks</b>
1.	Dr. Promode Kant	Chairman	Present	Physical
2.	Shri Monish Mullick	Member	Present	Physical
3.	Dr. Satish C. Garkoti	Member	Present	Physical
4.	Dr. Arun Jyoti Nath	Member	Present	Physical
5.	Dr. Inderjit Singh	Member	Present	Physical
6.	Dr. P. K Joshi	Member	Present	Physical
7.	Dr. Arun Kumar Saraf	Member	Present	Physical
8.	Dr. Hema Achyuthan	Member	Present	Physical
9.	Dr. Harish C. Nainwal	Member	Present	Physical
10.	Shri Ashwani Kumar	Member	Present	Virtual
11.	Dr. Meenakshi Dhote	Member	Present	Physical
12.	Dr. Ragavan P., Scientist 'B', MoEF&CC	Special Invitee	Present	Physical
14.	Dr. Ashish Kumar	Member Secretary	Present	Physical

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