



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)



Agenda of Expert Appraisal Committee

Meeting ID : IA/THE/13346/11/10/2022
Meeting Venue : IPB
Meeting Type : Video Conference
Agenda Generation Date : 29-09-2022

The following proposals are being considered for deliberation in the Expert Appraisal Committee as per the schedule given below :

Meeting Schedule :

S.No	Meeting date	Time (From)	Time (To)
1	11 Oct 2022	10:30 AM	13:30 PM

Date of Meeting : 11-10-2022

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/KA/THE/401024/2022	-1	Establishment of 7500 TCD Sugar unit, 30 MW Co-generation unit and 360 KLPD Multi feed Distillery Unit (Syrup/Molasses/Grain) by M/s. Hampi Sugars Pvt. Ltd.	HAMPI SUGARS PRIVATE LIMITED	Tehsil: Vijayanagara District: Vijayanagara State: Karnataka	TOR
2	IA/MH/THE/291912/2022		Amendment in Environmental Clearance to Retrofit Pollution Control Facilities in 4x135 MW Sai Wardha Power Generation Private Limited at MIDC Growth Centre, Warora, District Chandrapur, Maharashtra State	SAI WARDHA POWER GENERATION PRIVATE LIMITED	Tehsil: Warora District: Chandrapur State: Maharashtra	Amendment EC
3	IA/MP/THE/10749/2003	J-13012/07/2019-IA.I(T)	1x210 MW Amarkantak Thermal Power Station	MP POWER GENERATING COMPANY LTD JABALPUR	Tehsil: Anuppur District: Anuppur State: Madhya Pradesh	EC

Any Other Item with Permission of Chairman:

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Remarks
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List of EAC Member :

S.No	Members Name	Designation	Email_ID
1	Shri Gururaj P. Kundargi	Chairman	gpkundargi@gmail.com
2	Dr. Narmada Prasad Shukla	Member	shuklanp55@gmail.com
3	Dr. Nandini.N	Member	sai.nandinin@gmail.com
4	Shri K. B. Biswas	Member	biswaskiriti@gmail.com
5	Shri Suramya Dolarray Vora	Member	suramya.vora@gmail.com
6	Dr. Umesh Jagannathrao Kahalekar	Member	ukahalekar@rediffmail.com
7	Dr. Santoshkumar Hampannavar	Member	santoshkumar777@yahoo.com
8	Dr. Unmesh Patnaik	Member	unmesh.patnaik@tiss.edu

9	Shri Mahi Pal Singh	Member - Representative of Central Electricity Authority (CEA)	mpsingh.cea@nic.in
10	Dr. Nazimuddin	Member - Representative of CPCB	nazim.cpcb@nic.in
11	Dr. R. K. Giri	Member - Representative of IMD	rk.giriccs@gmail.com
12	Professor Sheo Shanker Rai	Member - Representative of Indian School of Mines	sheoshankar@iitism.ac.in
13	Shri Yogendra Pal Singh	Member Secretary	yogendra78@nic.in

AGENDA FOR 31ST MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE (EAC) (THERMAL POWER PROJECTS) TO BE HELD ON 11TH OCTOBER, 2022 DURING 10:30AM – 01:30PM THROUGH VIDEO CONFERENCE.

Instructions to Project Proponents:

1. The EAC meeting will be held through Video-Conference.
2. Project Proponents shall send the following through e-mail to all members immediately by 08th October, 2022. E-mails of all members are given at page No. 5:
 - a) Duly filled in Agenda Form given at page No. 4.
 - b) Basic Information in the Formats given at page Nos. 6-20.
 - c) Executive Summary
 - d) **.kml** shape file showing boundaries of project facilities (plant, ash dyke, rail/transmission lines, intake water point, water pipelines, etc.)
 - e) Presentation (.pdf to all members, PPT format to EAC Secretariat officials (**Shri Yogendra Pal Singh, Scientist 'E' & Member Secretary (yogendra78@nic.in)/ Dr. Saurabh Upadhyay, Scientist 'C' (saurabh.upadhyay85@gov.in)/ ia1.thermal@gmail.com).**
 - f) Duly filled in Undertaking at pg.21
 - g) Copy of Valid NABET-QCI Certificate of Consultants
3. The proposals listed in the agenda are given below. **Those proponents whose details are received as per the Sl.No.2 will only be taken up for Video-conference and to be followed strictly as the time slot given is very less.**
4. Details of project proponents and number of online access points required are to be sent in advance. Only two persons from Proponent side shall communicate to Ministry Officials (Shri Yogendra Pal Singh, Scientist 'E' & Member Secretary/ Dr. Saurabh Upadhyay, Scientist 'C') for connecting through video conference as per their time slot.
5. Only 3-4 access points (number of devices, computer/laptop/mobile) will be permitted for one proposal/proponent which include consultants. Only one project proponent will be connected to EAC as per their slot. Remaining proponents have to wait for their time slot for joining VC meeting.
6. After receiving the information from proponent, a link will be sent to selective people for installing a software for video-conference. All proponents can join the conference between 10:00AM - 10:15AM on 11.10.2022 for testing purpose. However, the actual meeting will commence at 10:30AM.

7. Project Proponent shall present salient points of the proposal. Only one person should speak at a time and keep the audio switched off during conference. Remaining shall keep their audio on 'mute' mode.
8. Time slot is given for discussion on project proposal. Accordingly, Project Proponents shall be ready for online connection at least 10 min before their given slot. It is endeavored to complete all projects within the stipulated time given by NIC. Accordingly, Project Proponents are required to cooperate and maintain timings. If any problem faced please contact **Mr. Kamal, Moderator, NIC (Mobile No. 8800225087, Email- support-ipb@nic.in)**.

AGENDA OF 31ST MEETING OF THE EXPERT APPRAISAL COMMITTEE ON THERMAL POWER PROJECTS

DATE : 11TH OCTOBER, 2022
TIME : 10:30AM - 01:30PM
MODE : VIDEO-CONFERENCE

Agenda Item No. 31.1	Confirmation of the minutes of 30 th EAC meeting.
Consideration of Proposals	
Agenda Item No. 31.2 10:30 AM to 11:30AM	Establishment of 7500 TCD Sugar unit, 30 MW Co-generation unit and 360 KLPD Multi feed Distillery Unit (Syrup/Molasses/Grain) by M/s Hampi Sugars Pvt. Ltd. – Terms of Reference (TOR) – reg. [Proposal No. IA/KA/THE/401024/2022; F. No. J-13012/02/2022-IA.I(T)]
Agenda Item No. 31.3 11:30 AM to 12:30 PM	4x135 MW Coal based Thermal Power Plant (Phase-I & Phase-II) at Warora Growth Centre, MIDC, District Chandrapur (Maharashtra) by M/s Sai Wardha Power Generation Private Limited – Amendment in Environmental Clearance (EC) – reg. [Proposal No. IA/MH/THE/291912/2022; F. No. J-13011/23/2007.IA.II (T)]
Agenda Item No. 31.4 12:30 PM to 01:00 PM	1x660MW Amarkantak Supercritical Thermal Power Project (Expansion) in place of existing Amarkantak Thermal Power Station (Phase – I & II: 290 MW) in area of 90.24ha, Chachai Village, District Anuppur, Madhya Pradesh by M/s M. P. Power Generating Company Ltd. – Reconsideration of Environment Clearance (EC) – reg. [Proposal No. IA/MP/THE/10749/2003; F. No. J-13012/07/2019-IA.I (T)]
Agenda Item No. 31.5 01:00 PM onwards	Any other items with the permission of the Chair

Agenda Form

Agenda No:	Project Proponent Organisation:		
	Consultant Organisation:		
	Subject:		
Attendance Sheet:			
Sl.No.	Name	E-mail & Phone Number	Whether 'Video Conference' access is required or not. (Yes/No)
Project Proponent:			
Name and Phone no. of Coordinator for video-conference:			
1			
2			
3			
4			
Consultants:			
5			
6			

List & Correspondence addresses of Members of EAC (Thermal Power)

S. No.	Name & Address	Role	E-mail
1.	Shri Gururaj P. Kundargi	Chairman	gpkundargi@gmail.com
2.	Shri Suramya Dolarray Vora, IFS (Retd.)	Member	suramya.vora@gmail.com
3.	Dr. Narmada Prasad Shukla	Member	shuklanp55@gmail.com
4.	Dr. Santosh Kumar Hampannavar	Member	santoshkumar777@yahoo.com
5.	Dr. Umesh Jagannathrao Kahalekar	Member	ukahalekar@rediffmail.com
6.	Shri K. B. Biswas	Member	biswaskiriti@gmail.com
7.	Dr. Nandini N	Member	sai.nandinin@gmail.com
8.	Dr. Unmesh Patnaik	Member	unmesh.patnaik@tiss.edu
9.	Dr. Nazimuddin/ Dr. S. K. Paliwal Representative of Central Pollution Control Board	Member	Nazim.cpcb@nic.in / sanjeevpaliwal.cpcb@nic.in
10.	Shri Mahi Pal Singh, Representative of CEA	Member	mpsingh.cea@nic.in
11.	Professor S S Rai, Representative of IIT/ISM Dhanbad	Member	sheoshankar@iitism.ac.in
12.	Prof R.K. Giri Representative of IMD	Member	rk.giriccs@gmail.com
13.	Shri Yogendra Pal Singh Scientist 'E'	Member Secretary	yogendra78@nic.in

Details for EC/Extension of EC/ Amendment of EC Proposal

(To be submitted in word format):

1. EAC Meeting Details:

EAC meeting/s	
Date of Meeting/s	
Date of earlier EAC meetings	

2. Project details:

Name of the Proposal	
Proposal No.	
Location	
Company's Name	
Accredited Consultant and certificate no.	
Inter- state issue involved	
Seismic zone	

3. Category details:

Category of the project	
Capacity	
Attracts the General Conditions (Yes/No)	
Additional information (if any)	

4. Project Details:

If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc.	
Amendments granted, if Yes details	
Expansion / Green Field (new): (IPP / Merchant / Captive):	

<p>If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoEF&CC for compliance of the conditions stipulated in the environmental and CRZ clearances of the previous phases. A certified copy of the latest R.O. monitoring report shall also be submitted.</p>	
<p>Specific webpage address where all EC related documents (including monitoring and compliance related reports/documents) of the specific project under consideration are/will be available. Also contact details of PP's officer responsible for updating this webpage/information.</p>	
<p>Co-ordinates of all four corners OF TPP Site:</p>	
<p>Average height of: (a) TPP site, (b) ash pond site etc above MSL</p>	
<p>Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:</p>	
<p>CRZ Clearance</p>	
<p>Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment:</p>	
<p>Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).</p>	
<p>Benefits of the project (specify quantitative information)</p>	

5. Electricity generation capacity:

Capacity & Unit Configurations:	
Generation of Electricity Annually	

6. Details of fuel and Ash disposal

Fuel to be used:	
Quantity of Fuel required per Annum:	
Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	
Details of mode of transportation of coal from coal source to the plant premises along with distances	
Fly Ash Disposal System Proposed	
Ash Pond/ Dyke (Area, Location & Co-ordinates) Average height of area above MSL (m)	
Quantity of a. Fly Ash to be generated b. Bottom Ash to be generated:	
Fly Ash utilization (details)	
Stack Height (m) & Type of Flue	

7. Water Requirement:

Source of Water:	
Quantity of water requirement:	
Distance of source of water from Plant:	
Whether barrage/ weir/ intake well/ jack well/ others proposed:	

Mode of conveyance of water:	
Status of water linkage:	
(If source is Sea water) Desalination Plant Capacity	
Mode / Management of Brine:	
Cooling system	

8. Land Area Breakup:

<p>Land Requirement:</p> <p>a) TPP Site</p> <p>b) Ash Pond</p> <p>c) Township</p> <p>d) Railway Siding & Others</p> <p>e) Raw Water Reservoir</p> <p>f) Green Belt</p> <p>g) others</p> <p>Total (if expansion state additional land requirement)</p>	
Status of Land Acquisition:	
<p>Status of the project:</p> <p>If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion.</p> <p>If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown</p>	

since commissioning, details and reasons.	
Break-Up of land-use of TPP site: a. Total land required for project components b. Private land c. Government land d. Forest Land	

9. Presence of Environmentally Sensitive areas in the study area

ForestLand/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Reserve Forest/Protected Forest Land		
National Park		
Wildlife Sanctuary		
Archaeological sites monuments/historical temples etc		
Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary:		
Additional information (if any)		

Availability of Schedule-I species in study area

10. Court case details:

Any litigation/ Court Case pertaining to the project	
Is the proposal under any investigation? If so, details thereof.	
Any violation case pertaining to the project:	
Additional information (if any)	

Date:

(SIGNATURE OF AUTHORISED REPRESENTATIVE)

Place :

NAME & DESIGNATION :

Contact Nos. & E-mail :

**Name of the project
Addressed detailed
E-mail/contact No.**

Subject:- Environmental Clearance/ToR- reg.

[Proposal NO....., F.NO.....]

The Project Proponent and the accredited Consultant M/s., made a detailed presentation on the salient features of the project and informed that:

- i. The proposal is for environmental clearance/ToR to the project for located at by M/s.
- ii. The project proposal was considered by the Expert Appraisal Committee (Thermal/ Hydro River Valley Sector) in itsth meeting held during and recommended for grant of Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter No.J.....; dated**(In case of EC Proposal)**
- iii. All are listed at S.N. of the Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
- iv. Ministry had issued EC earlier vide letter no.; dated to the existing project... in favour of M/s.(**in Expansion case**/if applicable).
- v. Existing land area is m^2 ., additional m^2 land will be used for proposed expansion.
- vi. Industry has already developed / will develop greenbelt in an area of 33 % i.e., m^2 out of total area of the project.
- vii. The estimated project cost is Rs..... including existing investment of Rs..... crores. Total capital cost earmarked towards environmental pollution control measures is Rs..... and the Recurring cost (operation and maintenance) will be about Rs..... per annum.
- viii. Total Employment will be persons as direct & persons indirect after expansion. Industry proposes to allocate Rs..... @ of % towards CER (as per Ministry's OM dated....).
- ix. There are national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body..... is flowing at a distance ofin.....direction.
- x. Ambient air quality monitoring was carried out at locations during to and the baseline data indicates the ranges of concentrations as: PM₁₀ (...-... $\mu\text{g}/\text{m}^3$), PM_{2.5} (...-... $\mu\text{g}/\text{m}^3$), SO₂ (...-... $\mu\text{g}/\text{m}^3$) and NO₂ (...-... $\mu\text{g}/\text{m}^3$). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be $\mu\text{g}/\text{m}^3$, $\mu\text{g}/\text{m}^3$ and $\mu\text{g}/\text{m}^3$ with respect to PM₁₀, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). **(In case of EC Proposal)**

- xi. Total water requirement is m³/day of which fresh water requirement ofm³/day will be met from Permission for allocation of water obtained vide letter dated.....from.....Authority/ Water Board for theKLD/MLD quantity.
- xii. Effluent of quantity will be treated through.....
The plant will be based on Zero Liquid discharge system **(if applicable)**.
- xiii. Power requirement after expansion will be including existing KVA and will be met from State power distribution corporation limited (...SPDCL). Existing unit has DG sets ofcapacity, additionally DG sets are used as standby during power failure. Stack (height.....)will be provided as per CPCB norms to the proposed DG sets.
- xiv. Existing unit has TPH fired boiler. Additionally -----TPH ----fired boiler will be installed. Multi cyclone separator/ bag filter with a stack of height of m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the proposed boilers **(Applicable for thermal sector projects)**.
- xv. Details of Solid waste/ Hazardous waste generation and its management.....
- xvi. Public Hearing for the proposed project has been conducted by the State Pollution Control Board onThe main issues raised during the public hearing are related to.....**(Applicable for EC proposals)**
- xvii. Details of Certified compliance report submitted by RO, MoEF&CC. **(In case of expansion Proposal)**.
- xviii. Status of Litigation Pending against the proposal, if any.
- xix. The silent features of the project are as under: -

Name of the Proposal	
Location (Including coordinates)	
Inter- state issue involved	
Seismic zone	
Capacity / Cultural command area (CCA)	
Attracts the General Conditions (Yes/No)	
Powerhouse Installed Capacity	

Generation of Electricity Annually	
No. of Units	
Cost of project	
Total area of Project	
Details of consultant and status of accreditation	
Project Benefits	
Status of other statutory clearances	
R&R details	
Any litigation/Court case pertaining to the project	
Is the proposal under any investigation? If so, details thereof.	
Any violation case pertaining to the project:	
Certified EC compliance report (if applicable)	
Status of Stage- I FC	
Additional detail (If any)	
Is FRA (2006) done for FC-I	
Advertisement for PH with date	
Date of PH	
Venue	
Chaired by	
Main issues raised during PH	
No. of people attended	
Fuel to be used:	
Quantity of Fuel required per Annum:	

Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	
Details of mode of transportation of coal from coal source to the plant premises along with distances	
Fly Ash Disposal System Proposed	
Ash Pond/ Dyke (Area, Location & Co-ordinates) Average height of area above MSL (m)	
Quantity of c. Fly Ash to be generated d. Bottom Ash to be generated:	
Fly Ash utilization (details)	
Stack Height (m) & Type of Flue	

Name of Project	Expansion / Green Field (new): (IPP / Merchant / Captive):
	If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc.
	If expansion, whether the application is under 7(ii) of the EIA Notification, 2006.
	If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoEF&CC for compliance of the conditions stipulated in the environmental and CRZ clearances of the previous phases. A certified copy of the latest R.O. monitoring report shall also be submitted.
	Specific webpage address where all EC related documents (including monitoring and compliance related reports/documents) of the specific project under consideration are/will be available. Also contact details of PP's officer responsible for updating this webpage/information.

Name of Project Proponent	M/s	
Name of Consultant (s) who prepared the EIA/EMP	M/s Details of accreditation with QCI/NABET	
Sl. No.	Salient Features	
1.	Date of the ToR, extension of validity and amendment, if any.	
2.	Date & place of Public Hearing	
3.	Issues raised during Public Hearing and assurance given along with the financial provisions, if any, by the project proponent.	(Please attach as an annexure in a tabular form.)
4.	If the proposal is for re-consideration, the dates of the earlier EAC meeting (s) and the information/documents sought.	
5.	Location of TPP Village : Taluk : District : State : Co-ordinates of all four corners: Average height of (a) TPP site, (b) ash pond site etc above MSL (m)	a) TPP site; b) Ash pond site; c) township etc.
6.	Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:	

7.	Capacity & Unit Configurations:	MW
8.	Land requirement: a) TPP site b) Ash Pond c) Township d) MGR etc. (if expansion state additional land requirement)	Acres / Hectares
9.	Status of Land acquisition:	
10.	Status of the project: If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion. If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and reasons.	
11.	Break-Up of Land-Use of TPP site:	(Acres / Hectares) Forests land (Type and density) : Double Crop agricultural land : Single crop agricultural land : Waste/Barren land : Grazing/Community land : Others (specify) : (Status of land allotment/acquisition)
12.	Fuel to be used:	Coal/Lignite / Gas / Others (Specify)
13.	Quantity of Fuel Required per Annum:	MTPA / MMSCMD (Million Tonne Per Annum)
14.	Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	Quantity and details of Linkage available: Name of Block

		The method of obtaining remaining coal: (LOA issued on...) Ash content in coal.....(%) Sulphur in coal(%) Moisture(%) GCV in coal.....Kcal/Kg
15.	Details of mode of transportation of coal from coal source to the plant premises along with distances.	Total distance from the source to Rail:km (from To) Road: km (from To) Pipe/closed/open conveyor: km (from To) Sea: km (from To)
16.	Fly Ash Disposal System proposed:	High / Medium / Lean concentration slurry.
17.	Ash Pond / Dyke: (Area, Location & Co-ordinates) Average height of area above MSL (m)	(If expansion project state additional area required for ash pond)
18.	Quantity of Fly Ash to be Generated:	MTPA
19.	Quantity of Bottom Ash to be Generated:	MTPA
20.	Fly Ash utilisation percentage with details :	(MoU with Cement/ Brick Manufactures/ Others)
21.	Stack Height (m) & Type of Flue (m) (new or existing) Single/Bi/Tri Flue
22.	Source of Water:	Sea / River / Barrage (Name) (Downstream / Upstream) (HFL of nearest river if located within 10 kms study area)
23.	Quantity of water requirement:	MLD / MCM
24.	Distance of source of water from Plant:	Km / m (from intake point)
25.	Whether barrage/ weir/ intake well/ jack well/ others proposed:	Yes / No (If yes, give details)

26.	Mode of conveyance of water:	Pipeline / canal / others
27.	Status of water linkage:	(Date of allocation obtained)
28.	(If source is Sea water) Desalination Plant Capacity	
29.	Mode / Management of Brine:	Details
30.	Cooling system	Induced/ Natural draft
31.	CRZ Clearance	(Status)
32.	Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary:	
33.	Any litigation/Court case pertaining to the project:	please provide a list with details and status as annexure
32.	Is the proposal under any investigation? If so, details thereof.	
33.	Any violation case pertaining to the project:	please provide a list with details and status as annexure
34.	Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment:	Rs (Crores)
35.	Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).	
36.	Benefits of the project (specify quantitative information)	

37.	Any other declaration	
Certified that the above information is true to the best of my knowledge and belief.		

Undertaking

This is to certify that the information provided in Form-.... in physical form and/or in .pdf format (as applicable to the project and remaining be removed) in PARIVESH, to the Ministry/EAC members and PPT presentation during the EAC meeting held on 11.10.2022 have no deviation in respect of the proposal of ToR/EC/EC validity extension/EC amendment for establishing “.....MW Thermal Power Project at village, Taluk, District....., State.....by M/s.

2. It is further certified that there are no data entry errors in the information uploaded in PARIVESH system including names/email-id/mobile numbers/address of the project proponent, authorized person, etc. It is also certified that the supporting documents uploaded on PARIVESH portal are correct and duly authenticated by the Authorized Signatory.

3. In case of any deviation in data found in any of the documents, the Authorized Signatory shall be held responsible and furthermore, the above said project shall be rejected for grant of amendment in EC.

Authorized Signature

Date