

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED
(A Government of Andhra Pradesh Undertaking)



Vidyut Soudha, Gunadala,
Vijayawada – 520 004,
Ph. No. 0866 2526411

K.RATNA BABU
Chief Engineer/Civil/Hydel/GS/C&I

Lr.No.CE/C/Hydel/GS/C&I/SE/Hydel-I,C&I/EE/Env.Div/ D.No. 544 /17,dt. 24 -10-2017

To
The Director,
3rd Floor, Vayu Block,
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj
New Delhi-110003

Sir,

Sub: APGENCO – Rayalaseema Thermal Power Project (Stage-IV) (1x600MW), V.V. Reddy Nagar, Yerraguntla Mandal, Kadapa District, Andhra Pradesh – Amendment to Environmental Clearance - Documents -submitted –Reg.

- Ref: 1. J-13012/87/2008-IA.II (T), dt: 21/10/2010.
2. Online application No.IA/AP/THE/10613/2008 dated 31.08.2017
3. 10th Meeting of EAC(Thermal Power) held on 25.09.2017
4. J-13012/87/2008-IA.II (T) pt., dt.10.10.2017
* * * *

With reference to the letter under reference 4th cited, following information as desired is herewith submitted.

- i. Updated Form-1
- ii. A copy of coal linkage
- iii. The basic information for EC amendment proposal as prescribed in the agenda

In this connection, it is submitted that before bifurcation of Andhra Pradesh state, APGENCO details were registered under "User Agency" in the MOEF&CC web portal with address as Vidyut Soudha, Hyderabad-500082. After bifurcation of Andhra Pradesh state, APGENCO Head Quarter shifted to new address Vidyut Soudha, Gunadala, Vijayawada, Andhra Pradesh, Pin code 520004. Monitoring cell, NIC vide email dated 19.07.2017 informed that there is no provision to change the User Agency details.

In view of the above, it is requested to grant amendment of Environmental Clearance for RTPP Stage-IV (1x600MW) to the APGENCO new address Vidyut Soudha, Gunadala, Vijayawada, Andhra Pradesh, Pin code 520004.

Yours faithfully


Chief Engineer/Civil/Hydel, GS, C&I

1. The ADE (Tech) to Director (Thermal), APGENCO, VS, Vijayawada
2. The PS to Managing Director, APGENCO, VS, Vijayawada.

Updated FORM – 1

FOR

RAYALASEEMA THERMAL POWER PROJECT
(RTPP) STAGE –IV (1X600 MW)

Submitted by

ANDHRA PRADESH POWER GENERATION CORPORATION LTD
(APGENCO)

Vidyut Soudha, Gunadala, Vijayawada – 520004

Updated FORM-1

**APPLICATION FOR PRIOR ENVIRONMENTAL CLEARANCE FOR
"A" CATEGORY PROJECTS**

(I) BASIC INFORMATION

Sr. No.	Item	Details
1	Name of the project/s:	Rayalaseema Thermal Power Project Stage – IV (600 MW)
2	S. No. in the schedule	1 (d)-Thermal Power Plant
3	Proposed capacity/ area/ length/ tonnage to be handled/ command area/ lease area/ number of wells to be drilled	1X 600 MW Subcritical Coal based Thermal Power plant.
4	New/Expansion/Modernization	Expansion
5	Existing Capacity/ Area etc.	1050 MW (5x210 MW)
6	Category of Project i.e. 'A' or 'B'	Category A (≥500 MW (Coal/Lignite/Naphtha & Gas based)
7	Does it attract the general condition? If yes, please specify.	No
8	Does it attract the specific condition? If yes, please specify.	No
9	Location:	14° 41' 36"N Latitude 78° 21' 46" E Longitude
	Plot/Survey/Khasra No.	Sy. No. Sy. No. 182-1,184-1,2, 3A, 3B, 187-1A, 188-1 to 4,189-2, 190-1to5, 191-1,3,4,5, 192-1B, 193, 194, 195-1, 196,198-2,198-3A, 3B, 4, 5A,5B, 6, 199-1,2, 200-1 to 12, 201-1 to 5, 209-2, 210-1A, 1B, 1C, 2, 3A,3B,3C, 211-1,2, 212-1,2.
	Village	V.V. Reddy Nagar/ Kalamalla (V)
	Tehsil	Yerraguntla (M)
	District	YSR Kadapa District
	State	Andhra Pradesh
10	Nearest railway station/ airport along with distance in kms	Muddanuru ~9 Km ; Nearest Airport is Tirupati ~ 190 Km .
11	Nearest town, city, district head quarters along with distance and direction in kms	Proddaturu ~10 km District headquarters: Kadapa ~ 55 Km
12	Village panchayats, Zilla parishad, Municipal corporation, local body (complete postal addresses with telephone nos. to be given)	Kalamalla (V) Yerraguntla (Mandal) , Kadapa Dist – 516312. Proddatur Municipality - 08564-251047, Zilla Praja Parishad, Kadapa Ph:08562 244376.
13	Name of the applicant	Andhra Pradesh Power Generation Corporation Limited.
14	Registered Address	Vidyut Soudha, Hyderabad, Telengana state, PIN: 500082.
15	Address for correspondence	Chief Engineer/Civil/Hydel, GS, C&I 4 th Floor, APGENCO, Vidyut Soudha, Gunadala, Vijayawada – 520004, A.P Ph. No. 0866 - 2526411 E-mail: environment.apgenco@gmail.com

Sr. No.	Item	Details
	Name	Sri. K. Ratna Babu
	Designation (Owner/Partner/CEO)	Chief Engineer/Civil/Hydel, GS, C&I
	Address	Chief Engineer/Civil/Hydel, GS, C&I 4 th Floor, APGENCO, Vidyut Soudha, Gunadala, Vijayawada – 520004, A.P Ph. No. 0866 - 2526411 E-mail: environment.apgenco@gmail.com
	Pin Code	520 004
	E-mail	environment.apgenco@gmail.com
	Telephone No.	0866 – 2526411
	Fax No.	---
16	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	No alternatives sites have been considered as the proposed project is an expansion.
17	Interlinked Projects	No Interlinked projects are envisaged.
18	Whether separate application of interlined project has been submitted	Not Applicable
19	If yes, date of submission	
20	If no, reason	Not Applicable
21	Whether the proposal involves approval/clearance under: (a) The Forest (Conservation) Act, 1980 (b) The Wildlife (Protection) Act, 1972 (c) The C.R.Z Notification, 1991	-- No No
22	Whether there is any Government Order/ Policy relevant/relating to the site	No
23	Forest land involved (hectares)	No forest land is involved
24	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up (a) Name of the Court (b) Case No. (c) Orders/ directions of the Court, if any and its relevance with the proposed project.	No litigation is pending against the project.

(II) Activity

1) Construction, operation or decommissioning of the project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S. No	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	The proposed Rayalaseema Thermal Power Project Stage-IV (1x600 MW) is located adjacent to the RTPP complex. Agriculture dry land (Single crop rain fed)/Govt. waste land has been acquired for the proposed project. There is change in land use pattern from agriculture to industrial use.
1.2	Clearance of existing land, vegetation and buildings?	Yes	The existing vacant land is leveled and graded.
1.3	Creation of new land uses?	Yes	Developing the dry agriculture land/Govt. waste land for industrial use.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	No	Geological investigations are Carried out
1.5	Construction works?	Yes	Boiler, Turbine, Generator, Condenser, Cooling water system, Coal handling system, Ash handling system, Coal plant, ESPs, Switchyard and other Civil, Mechanical and Electrical plant and equipment etc.
1.6	Demolition works?	No	---
1.7	Temporary sites used for construction works or housing of construction workers?	No	Existing facilities are used.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	As mentioned in the item 1.5
1.9	Underground works including mining or tunneling?	No	Coal conveying belts, water transport lines etc.
1.10	Reclamation works?	No	Not applicable
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable

1.13	Production and manufacturing processes?	Yes	Coal received from the mines at (-)100 mm size is crushed in the crusher house to (-)20 mm size, which is further powdered in the coal mills. The powdered coal is burnt in the furnace to generate steam in the boiler. The steam generated in the boiler is expanded in the HP & LP turbines and power is generated in the generator which will be transmitted to grid through switchyard. The steam after expansion in the turbine is condensed in the condenser and condensed steam is recycled back to the boiler. The hot gases from the furnace after losing heat in different areas goes through the Electrostatic Precipitators (ESP) where ash is trapped. The clean gas goes through the chimney.
1.14	Facilities for storage of goods or materials?	Yes	Temporary storage sheds are provided.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	ETP is provided for treatment of plant effluents and existing STP is used for sewage from plant & colony. 100% dry ash handling systems are provided for disposal of fly ash (solid waste) in dry form.
1.16	Facilities for long term housing of operational workers?	Yes	Existing colony with additional facilities will be used for operational staff of expansion unit.
1.17	New road, rail or sea traffic during construction or operation?	Yes	Already roads are available to the proposed project. Internal roads required are formed.
1.18	New road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	Yes	As mentioned in the item 1.17
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	-
1.20	New or diverted transmission lines or pipelines?	No	Not applicable
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not applicable
1.22	Stream crossings?	No	There are no streams in the proposed expansion site

1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Required water for the proposed project will be met from SPVB Reservoir.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	To a limited extent
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Existing facilities are used and new facilities are created wherever required.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not applicable
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not envisaged
1.28	Influx of people to an area in either temporarily or permanently?	Yes	On average about 1000 labour are employed during construction. 300 Nos. of permanent staff will work in the power house during operation stage.
1.29	Introduction of alien species?	No	Not applicable
1.30	Loss of native species or genetic diversity?	No	Nil
1.31	Any other actions?	No	None

2) Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply)

Sl. No	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	33.74 Ha of dry agriculture land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Water requirement is 43440 KLD and will be met from SPVB reservoir.
2.3	Minerals (MT)	Yes	Raw material is coal: 8020 TPD
2.4	Construction material – Cement, steel, stone, aggregates, sand/soil (expected source – MT)	Yes	Cement: 55,000 MT Structural Steel : 9,000 MT Reinforcement Steel : 11,000 MT Stone/Aggregate: 1.0 lakh cum (local) Sand : 0.65 lakh cum (local)
2.5	Forests and timber (Source – MT)	No	Not applicable
2.6	Energy including electricity & fuels (source, competing users) Unit: Fuel (MT) Energy (MW)	Yes	Electricity required will be met from the existing station.
2.7	Any other natural resources (use appropriate standard units)	Yes	Oil (1 ml/kwh) for start up and flame stabilization.

3) Use, storage, transport, handling or production of substances or materials which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health

Sl. No	Information/ Checklist confirmation	Yes / No	Details thereof (with approximate Quantities/rates wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	Yes	Furnace oil/HSD, Chlorine, Alum, Caustic soda, HCL etc will be used intermittently.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Limited extent.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Improve living conditions of local people as employment is provided and CSR activities are being implemented.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	There are no major hospitals, schools etc. nearer to proposed plant site
3.5	Any other causes	No	None

4) Production of solid wastes during construction or operation or decommissioning (MT/month)

Sl. No	Information/ Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	Yes	Excavated soil
4.2	Ash/Municipal waste (domestic and or commercial wastes)	Yes	Ash generation: 2182 TPD Bottom Ash : 545 TPD Fly ash: 2727 TPD
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	None
4.4	Other industrial process wastes	No	Not applicable
4.5	Surplus product	No	Not applicable
4.6	Sewage sludge or other sludge from effluent treatment	Yes	Not significant.

4.7	Construction or demolition waste	Yes	Construction debris is used for filling up of low lying areas and development of internal roads
4.8	Redundant machinery or equipment	Yes	
4.9	Contaminated soils or other materials	No	None
4.10	Agricultural wastes	No	None
4.11	Other solid wastes	Yes	Small extent

5) Release of pollutants or any hazardous, toxic or noxious substances to air (Kg / hr)

Sl. No	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	The pulverized coal will be used for Boiler and flue gas emission details are given below. Flue gas emission: SPM: 90.0 kg/hr SO ₂ : 3340 kg/hr NO _x : 1220 kg/hr
5.2	Emissions from production processes	Yes	As mentioned in the item 5.1
5.3	Emissions from materials handling including storage or transport	Yes	Fugitive emissions to limited extent
5.4	Emissions from construction activities including plant and equipment	Yes	Temporary in nature during construction of buildings or roads, which is taken care by proper dust suppression by sprinkling of water.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	Yes	Dust generated due to handling construction material is controlled by sprinkling of water.
5.6	Emissions from incineration of waste	No	No incineration is employed

5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No material is openly burnt in air.
5.8	Emissions from any other sources	No	No emission from any other sources.

6) Generation of noise and vibration and emissions of Light and Heat:

Sl. No	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	<p>i) Noise will be generated during operation of boiler, generator and Turbine. The expected noise level during those operations is 85 dB(A), necessary PPEs (Ear Muffs, closed chambers) will be provided for the personnel working in those areas.</p> <p>ii) Most of the equipment structures are static. The vibration effect of these will be only local and the design of supports and foundations will nullify the intensity of vibration.</p>
6.2	From industrial or similar processes	No	As explained in 6.1
6.3	From construction or demolition	Yes	Excavation, drilling , welding etc. which are temporary in nature
6.4	From blasting or piling	Yes	Limited
6.5	From construction or operational traffic	Yes	Limited
6.6	From lighting or cooling systems	Yes	
6.7	From any other sources	No	None

7) Risks of contamination of land or water from release of pollutants into the ground or into sewers, surface waters, ground water, coastal waters or the sea

Sl. No	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	Limited to dyke area
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	Treated sewage water will be used for greenbelt.
7.3	By deposition of pollutants emitted to air into the land or into water	No	The major emission from the proposed project are Particulate Matter (PM), SO ₂ and NO _x . Adequate control systems like ESP and stack height meeting MOE&F guidelines are provided to control the emissions. Hence there will not be any chance of contamination of land and water by deposition of pollutants emitted to air.
7.4	From any other sources	No	None
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	Yes	But with in the prescribed limits

8) Risk of accidents during construction or operation of the project, which could affect human health or the environment

Sl. No	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	Only minimum Quantity of the chemicals required will be stored within the plant premises and safety precautions will be taken while handling.
8.2	From any other sources	No	None
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	No	It is situated in earthquake zone-II and far from river banks hence flooding and earthquakes are not envisaged.

9) Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

Sl. No	Information/ Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates wherever possible) with source of information data
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g <ul style="list-style-type: none"> ➤ Housing development ➤ Extractive industries ➤ Supply industries ➤ Others 	No	Due to this proposed project some positive development is envisaged, as the socio economic conditions of the local population will improve. However, the impact on environment if any will be controlled by proper EMP.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	None
9.3	Set a precedent for later developments	Yes	<ul style="list-style-type: none"> ❖ Development of local community ❖ Improvement in Quality of life ❖ Ecological balance by sustainable development.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Cumulative impact of proposed and existing units will be in the statutory limits.

(III) Environmental Sensitivity

Sl. No	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	No areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value are present.


2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	No areas under important or sensitive for ecological reasons- Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests are present.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	
4	Inland, coastal, marine or underground waters	No	
5	State, National boundaries	No	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	
7	Defence installations	No	
8	Densely populated or built-up area	No	
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Yes	Except small schools & PHCs in surrounding villages, there are no major hospitals, schools, places of worship and community facilities within 15 Km radius
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	

12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	No	Nil.
----	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----	------

I hereby give an undertaking that the data and information given in the application and enclosure are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project be rejected and clearance given, if any, to the project will be revoked at our risk and cost:

Date: 30-08-2017

Place: Vijayawada


Chief Engineer/Civil/Hydel, GS, C&I

IMMEDIATE

File No.23014/4/2017-CLD
Government of India
Ministry of Coal
<<>>

New Delhi, the 19 September, 2017

To,

1. Chairman,
Coal India Limited,
Coal Bhawan,
Premise No-04 MAR,
Plot No-AF-III, Action Area-1A,
Newtown, Rajarhat, Kolkata-700156
2. The Chairman-cum-Managing Director,
Singareni Collieries Company Limited,
18, Red Hills, Khairatabad PO, Hyderabad,
Telangana.

Subject: Meeting of the Standing Linkage Committee (Long-Term) for
Power Sector- SLC/LT No. 4/2017.

Sir,

I am directed to forward herewith minutes of the meeting of the
SLC(LT) for Power Sector held on 21st August, 2017.

2. Recommendations of the SLC(LT) in respect of all the items except
agenda item no. 2(i) (Request for linkage to Sri Singaji, St-II U-3 & 4) have
been approved by the Competent Authority. It has been decided that the issue
of grant of linkage to Sri Singaji, St-II U-3&4 (Agenda Item no. 2(i)) shall be
examined after de-allocation of coal block allocated to MPPGCL.

Encls. - As above.

Yours faithfully,

Signature valid

Digitally signed by DOMINIC
DUNGUNG
Date: 2017.09.19 09:35:12 IST
Reason: Approved

(Dominic Dungdung)

Under Secretary to the Govt. of India

To

1. Additional Secretary, Ministry of Coal
2. Principal Advisor (Energy), NITI Aayog, Yojana
Bhawan New Delhi.

Chairperson
Member

File No.CLD-23014/4/2017-CLD

3.	Joint Secretary (Coal), Ministry of Coal	Member
4.	Advisor (Projects), Ministry of Coal	Member
5.	Joint Secretary (Thermal), Ministry of Power, Shram Shakti Bhawan, New Delhi	Member
6.	Joint Secretary (Ports), Ministry of Shipping, Transport Bhawan, New Delhi	Member
7.	Joint Secretary, Ministry of Steel, Udyog Bhawan, New Delhi	Member
8.	Joint Secretary, Department of Industrial Policy & Promotion, Udyog Bhawan, New Delhi	Member
9.	Executive Director, T. T. (F), Railway Board, Room No. 261, Rail Bhawan, New Delhi.	Member
10.	Director (Marketing), Coal India Limited.	Member
11.	CMD's BCCL, CCL, ECL, MCL, NCL, SECL & WCL	Members
12.	Chairman-cum-Managing Director, Central Mine Planning & Design Instt Ltd., Gondwana Place, Kanke Road, Ranchi.	Member
13.	Chairman, Central Electricity Authority, Sewa Bhawan, RK Puram, New Delhi	Member
14.	Chairman, NTPC, Scope Complex, Lodhi Road, New Delhi-110003	Member Special Invitee
15.	Joint Secretary (CBA-II Section), Ministry of Coal	
16.	Director (E&M), SCCL, Kothagudem-507101 (T.S.)	

Copy to:

(i) Director (Technical), CIL ii) GM (S&M), CIL, Kolkata iii) CGM (CP), CIL, Kolkata iv) GM (S&M), CIL, Delhi.

Copy also to –

1. PS to Minister of Coal 2. OSD to Minister for Coal 3. PSO to Secretary (Coal) 4. PPS to Additional Secretary (Coal) 5. PPS to Joint Secretary (RKS) 6. PPS to Joint Secretary (VB)

Copy also to - NIC, Ministry of Coal with the request to place it on the Website of the Ministry for information of all concerned.

No. 23014/4/2017-CPD
Government of India
Ministry of Coal

New Delhi, Dated 19 September, 2017

Minutes of the meeting of the Standing Linkage Committee (Long Term) for Power Sector held on 21.08.2017.

A meeting of the Standing Linkage Committee (Long Term) for Power Sector was held on 21.08.2017 under the Chairmanship of Additional Secretary (Coal).

Agenda	Brief description of Agenda Item	Summary of discussions	Recommendations with reasons
Agenda Item No. 1 Confirmation of Minutes of SLC (LT) held on 29.06.2017.	Confirmation of the Minutes of the meeting of the SLC (LT) held on 29.06.2017.	There were no comments from any side.	Minutes of the meeting of the SLC (LT) held on 29.06.2017 are confirmed.



<p>Agenda Item No. 2</p> <p>Ministry of Power – Requests for linkages to State Sector Projects.</p>	<p>Ministry of Power vide its O.M. No. FU-2/2017-IPC dated 02.08.2017 has stated that request for grant of coal linkages to the following State Sector Projects have been received in Ministry of Power/Central Electricity Authority:</p> <p>i. Sri Singaji St-II U-3 & 4, MPPGCL, 1320 MW</p> <p>ii. Rayalseema U-6, APGENCO, 100 MW (Shortfall)</p> <p>iii. Dr. NTPPS St-V, APGENCO, 800 MW</p> <p>iv. Sri Damodaran Sanjeevaiah St-II, APGENCO, 800 MW</p> <p>MoP has mentioned that Gondabahera Ujheni coal block was allocated to MPPGCL with end use projects Sri Singaji STPP - 2x660 MW and Satpura TPP- 1x660 MW.</p>	<p>(i) Sri Singaji, St-II U-3 & 4 - The PP has stated that it was allotted Gondbahera Ujheni coal block on 31.03.2015 but has now decided to relinquish the coal block as it is not commercially viable for the PP. MoP has recommended the grant of linkage for the PP.</p> <p>(ii) Rayalseema U-6, APGENCO, 100MW - The PP has stated that it was having a linkage for 500 MW capacity from CIL and the linkage was required for additional 100 MW Capacity. The linkage for additional 100 MW has been recommended by MoP as per the provision 1 B(i) of the power sector linkage policy dated 22.05.2017.</p> <p>(iii)&(iv) NTPPS</p>	<p>(i) SLC (LT) recommended for grant of coal linkage from CIL to Sri Singaji St-II U-3 & 4 after the Ministry of Coal takes a decision to deallocate the coal block which has been allotted to MPPGCL for this end use plant and other activities related to deallocation of coal block are completed. (This recommendation is not approved).</p> <p>(ii) SLC (LT) recommended grant of coal linkage to Rayalseema U-6 for additional 100 MW from CIL.</p> <p>(iii)&(iv) SLC (LT) recommended grant of linkage from CIL to NTPPS St-V, 800 MW & to Sri Damodaran Sanjeevaiah St-II, 800 MW of APGENCO.</p>
-------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



p. 2 of 6

<p>MPPGCL have decided to relinquish the coal block and requested MoC for termination of Coal Block Development Agreement of the coal block as the block is not commercially viable. MPPGCL's request for surrender of block is under consideration of the MoC. Sri Singaji STPP, Stage-II-2x660 MW has also been granted bridge linkage. MoP has further stated that CEA has recommended for Coal Linkages to the above projects. MoC may consider the above requests for grant of linkages as per norms.</p>	<p>St-V, APGENCO, 800 MW & Sri Damodaran Sanjeevaiah St-II, APGENCO, 800 MW -The PPs stated that there was no coal block allotted to it for these TPPs and commissioning of the plants is likely to be by June 2019, MoP has recommended linkage for the TPPs.</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



p. 3 of 6

<p>Agenda Item No. 3</p> <p>Request for Bridge linkage - 1 x 800 MW 3rd unit (Stage-II) TPP at Pegadapalli, Telangana.</p>	<p>In accordance with the policy/guidelines of Bridge Linkage notified vide MoC's OM No. 23021/3/2015-CPD dated 08.02.2016, SCCL vide their letter dated 01.07.2017 has submitted an application for grant of Bridge linkage to their 1 x 800 MW 3rd unit (Stage- II) TPP at Pegadapalli (V), Jaipur (M), Mancherial District, Telangana. In 2016, SCCL submitted application for grant of Bridge Linkage to 1 x 600 MW Unit-3 (Stage-II) with processing fees of Rs. 5 lakh vide DD no. 417697 dated 17.02.2016. The matter was taken up in the SLC (LT) meeting held on 18.03.2016. SLC (LT) deferred the case. Now SCCL submitted the application for grant of Bridge</p>	<p>The project proponent stated that it has applied for Bridge Linkage for its 3rd Unit, Stage-II of 800 MW. The matter was considered in SLC (LT) meeting dated 18.03.2016 and was deferred. The PP has been allotted Naini Coal block on 13.08.2015. PP also stated that the plant is likely to be commissioned in 2021. MoP gave reference of MoEF F.No. J-13011/18/2014-IA.I(T) dated 15.03.2017 and stated that coal block allottees are now not required to provide linkage details for obtaining Environment Clearance. Therefore, grant of Bridge Linkage would not be of any consequence to the TPP.</p>	<p>The case was deferred by SLC (LT).</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

Adhary

p. 4 of 6

	<p>Linkage and stated that Naini coal mine in Odisha is allotted to SCCL on 13.08.2015. Scheduled date of start of coal production from Mine/Block as per the Coal Mines Development and Production Agreement/Coal Block Development and Production agreement is 2020-21. Actual/Expected date of commissioning of specified end use plant has not been provided. Expected date of start of Coal production is 2020-21. Comments of MoP and CBA-II have been sought in the matter and are awaited.</p>		
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

With the permission of the chair following items were also included as Table agenda and discussed in the meeting

Agenda	Brief discussion of agenda and discussion	Recommendations
--------	-------------------------------------------	-----------------

Sharma

p.5 of 6

<p>1. Allotment of long term coal linkage to NTPC Vindhyachal – V (Unit-13) under the new coal Linkage Policy 'SHAKTI'</p>	<p>MoP submitted letter no. FU-2/2017-IPC dated 21.08.2017 to consider the agenda enclosed with the letter in the SLC(LT) as table agenda. It was stated by the PP that Pakri-Barwadih block was allotted to NTPC as a basket mine and NTPC Vindhyachal-V (500 MW) is one of the EUPs. The Coal production from the mine is supplied to NTPC Barh Stage-II owing to delay in development of its linked mine Chatti Bariatu. The proposal was recommended by CEA and MoP also recommended for grant of linkage to this unit as per the provisions of the power sector linkage policy dated 22.05.2017</p>	<p>SLC (LT) recommended the grant of coal linkage to the NTPC Vindhyachal-V (Unit-13) of 500 MW from CIL subject to getting a clearance from Ministry of Power that the plant has been delinked from Pakri-Barwadih or any other coal block allotted to NTPC.</p>
<p>2. Grant of long term coal linkage to 1320 MW Buxar Thermal Power Project to be set up by SJVN Thermal Pvt Ltd. (wholly owned subsidiary of SJVN Ltd.)</p>	<p>It was stated by MoP that Deocha Pachami Dewanganj Harinsingha coal block was allotted to SJVN for its EUP of 1320 MW Buxar TPS along with six state Power PSUs. SJVN has submitted fresh application for allotment of fresh coal block on 24.10.2016, for which allotment is awaited from MoC considering the difficulties in developing a coal block, it has been decided by SJVN to develop the TPP on the basis of coal linkage. MoP has recommended the grant of long term coal linkage to the 1320 MW Buxar TPP of SJVN Thermal Pvt Ltd.</p>	<p>SLC (LT) recommended grant of long term coal linkage to 1320 MW Buxar TPP of SJVN Thermal Pvt Ltd from CIL subject to the condition that the PP submits a clearance from MoC that no coal block is allotted to it and all issues related to any coal block allocation are settled by the PP.</p>

Shing

p-6 of 6

BASIC INFORMATION FOR **AMENDMENT OF EC** PROPOSAL


Name of the project:	<p>RAYALASEEMA THERMAL POWER PROJECT (RTPP), Stage – IV (1X600 MW) (Expansion unit).</p> <p>EC was given vide J-13012/87/2008-IA.II (T), dt: 21/10/2010 for RTPP Stage-IV 1x600MW unit with specific condition as follows.</p> <p>“The Environmental Clearance shall be applicable for generation of 1x500MW capacity only until firm coal linkage for balance 100 MW is available. However at a later stage when firm coal linkage for balance 100 MW is also available, the project proponent may request the Ministry for inclusion for entire capacity of 1x600MW which the Ministry shall consider appropriately”.</p> <p>The Standing Linkage Committee (LT), Ministry of Coal in its meeting held on 21.08.2017, has agreed in-principle to allocate firm coal linkage for the balanced capacity of 100 MW of RTPP Stage-IV. The proposal is submitted to MoEF&CC, GOI to consider EC for entire 600 MW capacity.</p>	
	<p>The details of ECs of existing units are as follows:</p> <p>a) RTPP Stage-I (2x210 MW), EC Lr. No. J-13011/16/86-IA, dated 01-03-1988.</p> <p>b) RTPP Stage-II (2x210 MW), EC Lr. No. J-13011/35/92-IA-II, dated 11-05-1988.</p> <p>c) RTPP Stage-III (1x210 MW), EC Lr. No. J-13011/76/2007-IA-II (T), dated 01-05-2008.</p>	
	<p>EC related documents are available in www.apgenco.gov.in web page.</p>	
Name of project proponent	<p>Andhra Pradesh Power Generation Corporation Limited (APGENCO) (A Government of Andhra Pradesh Undertaking)</p>	
Name of Consultant:	<p>-----</p>	
Sl. No.	<p>Salient Features:</p>	
1.	<p>Date of TOR, extension of validity and amendment, if any.</p>	<p>MoEF & CC granted EC on 21.10.2010 for 500 MW due to submission of coal linkage for 500 MW only instead of 600 MW.</p>
2.	<p>Date & Place of Public Hearing</p>	<p>20-10-2009, MPUP School Premises, Kalamalla Gram Panchayat, Yerraguntla (M), Kadapa Dist.</p>
3.	<p>Issues raised during Public Hearing and assurance given along with the financial provisions, if any, by the project proponent.</p>	<p>Issues raised in the Public Hearing and action taken on assurances is enclosed as Annexure-1.</p>
4.	<p>If the proposal is for reconsideration, the dates of the earlier EAC meeting (s) and the information/ documents sought.</p>	<p>-----</p>

5.	<i>Location of TPP:</i>	Village: Kalamalla. Taluk: Yerraguntla District: Kadapa State: Andhra Pradesh
6.	Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so the details thereof:	No
7.	Capacity & Unit Configuration	1 unit of 600 MW
8.	Land requirement: TPP Site	85 Acres of additional land has been acquired.
9.	Status of land acquisition:	Land acquisition completed
10.	Break-up of Land-use of TPP site:	Single crop agriculture land: 85 Acres
11.	Fuel to be used	Coal
12.	Quantity of fuel required per annum	2.65 MTPA
13.	Coal Linkage/Coal Block: (If Block allotted, status of EC & FC of the Block)	Ash content: 34 % Sulphur content: 0.5 % GCV: 4400 Kcal/kg
14.	Fly ash disposal system provided	100 % dry fly ash disposal system is provided.
15.	Ash pond/Dyke: (Area, Location & Coordinates) Average height of area above MSL (M)	Existing ash pond will be utilized for utilized ash.
16.	Quantity of fly ash to be generated	2182 TPD
17.	Quantity of bottom ash to be generated	545 TPD
18.	Fly ash utilization details	---
19.	Stack Height (m) & type of flue	275 m single flue
20.	Source of water	SPVB Reservoir
21.	Quantity of water requirement	43440 M ³ /day
22.	Distance of source of water from plant	72 km
23.	Whether barrage/weir/intake well/jack well/others proposed	Intake
24.	Mode of conveyance of water	Pipeline
25.	Status of water linkage	Water allocation for 1.4 TMC has been granted by Irrigation & CAD (PW) Department, Govt. of AP vide G.O. Rt No. 183, dated 29-03-2010.
26.	If source is Sea Desalination plant capacity	NA
27.	Mode/Management of brine	NA
28.	Cooling system	Natural draft

29.	CRZ clearance	NA
30.	Names & distance of National Parks, Wild life Sanctuaries, Biosphere Reserves, Heritage site reserves, tanks, Reserved Forests etc., located within 10 km from the plant boundary.	Kosinepalli RF @ 3 km
31.	Any litigation/ court case pertaining to the project	NIL
32.	Is the proposal under any investigation? If so, details thereof.	No
33.	Any violation case pertaining to the project	Nil
34.	Cost of the project:	Rs. 4516=00 Crores
35.	Employment Potential	On average about 1000 labour are employed during construction. 300 Nos. of permanent staff will work in the power house during operation stage.
36.	Benefits if the project is sanctioned	There will be opportunities for skilled and unskilled employment and Infrastructure improvement in the surrounding villages.
37.	Any other declaration	---
Certified that the above information is true to the best of my knowledge and belief.		

Date: 18 -09-2017

Place: Vijayawada


Chief Engineer/Civil
Hydel, GS, C&I
APGENCO, Vidyut Soudha
Gunadala, Vijayawada-04

Contact Nos. & e-mail: 0866-2526411, environment.apgenco@gmail.com

Annexure-1

S. No.	Issues raised in the Public Hearing	Fulfillment of assurances given in Public hearing
1.	Employment opportunities	APGENCO provided 98 Nos. of regular jobs to the land losers.
2.	Suitable compensation to the land losers.	Compensation has been finalized by Revenue Department after negotiation with the land losers. Compensation has been disbursed.
3.	Greenbelt development	<p>Greenbelt Development Scheme at RTPP has been prepared through AP State Biodiversity Board. Necessary budget allocation is made for green belt development.</p> <p>Total green belt was covered in 185 Ha up to Jan 2017 in RTPP. During 2017-18, greenbelt is programmed in another 40 Ha.</p> <p>APGENCO deposited Rs.10 Lakhs with the District Collector for sponsoring of Tree Guards to the massive plantation program in the District for the year 2016-17.</p>
4.	Medical Camps in the surrounding villages	APGENCO has been conducting medical camps in the surrounding villages of RTPP
5.	Drinking water in the surrounding villages of RTPP	Apart from providing RO plants in the Surrounding villages of RTPP, an amount of Rs. 96,57,366/- incurred for installation of 38 Nos. RO plants in the Kadapa District under "NTR Sujala Pathakam".
6.	Welfare measures and Infrastructure developments	An amount of Rs. 596 lakh was incurred for developmental works in surrounding villages towards sanitation, education, infrastructure development etc under CSR. In addition to this, Roads are constructed at the cost of Rs.570 lakhs.