


MAHARASHTRA STATE POWER GENERATION CO.LTD.		
 MAHAGENCO Maharashtra State Power Generation Co. Ltd.		Chief Engineer (Civil)-II Koradi Complex, Chhindwara Road Koradi-via-Nagpur- 441 111 (P) 262128, (O) 262168, FAX – 262338, STD-07109 E_Mail : cecgen217@rediffmail.com

No. CE(C)-II/KRD/Tech/K'kheda/Site/

No 01059

Date: 20 SEP 2014

LETTER OF AUTHORIZATION

I, hereby authorize Shri. V.B. Laturkar, Executive Engineer (C), Civil Construction Circle, MSPGCL, Khaperkheda, Distt. Nagpur to act on behalf of MSPGCL, to submit and process the proposal for Transfer of 0.96 Hect. Forest land out of survey No. 97 for laying of Ash Disposal Pipe Line, from khaperkheda TPS to Nandgaon Ash Bund at village Dorli, Th. Parseoni, Distt. Nagpur.


Chief Engineer (C)-II
MSPGCL, Koradi.

APPENDIX

(See Rule 6)

FORM - A

(I)

Form for seeking prior approval under section 2 of the proposals by the state Government and other authorities.

PART - I

(to be filled up by user agency)

1	Project Details	
i)	Short narrative of the proposal and project/scheme for which the forest land is required	Proposal for transfer of 0.96 Ha. Forest land out of survey no. 97 for laying ash disposal pipe line from K'kheda TPS to Nandgaon Ash Bund at Village Dorali, Tah. Parseoni, Dist. Nagpur. Note on the Project is enclosed on page 1 - 2
ii)	Map showing the required forest land boundary of adjoining forest on a 1:50,000 scale map.	Map is enclosed on page No. 21
iii)	Cost of Project	Total cost of the entire project is 1370 Crores, out of which 8.00 Crores is proposed cost of laying ash disposal pipe line.
iv)	Justification for locating the project in forest area.	After through investigation and mutual understanding between MSPGCL & WCL route for ash pipe line proposed by WCL found to be most suitable and ideal for the project. Page No. 7 - 11
v)	Cost benefit analysis (to be enclosed)	Not required being area to be transferred. Is below 20 Ha.
vi)	Employment likely to be generated	This project is part & parcel of main project i.e. construction of 500 MW Unit at K'kheda. Now construction of 500 MW Unit at K'kheda has been completed.
2	Purpose wise break-up of the total land required.	
3	Details of displacement of people due to project, if any :	
i)	Number of families.	Not applicable.
ii)	Number of Scheduled Cast/ Scheduled Tribe families.	Not applicable.
iii)	rehabilitation plan (to be enclosed)	Not applicable.
4	Whether clearance under environment (Protection) Act.1986 required ? (Yes/No).	
5	Undertaking to bear the cost of raising and maintenance of compensatory afforestation as well as cost for protection and regeneration of safety Zone, etc. as per the scheme prepared by the State Government (Undertaking to be enclosed).	
6	Details of certificates / documents enclosed as required under the instruction.	

Place : Khaperkheda

Date :

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Executive Engineer (C),
Civil Construction Dn. I,
MSPGCL, Khaperkheda

Name of Proposal : Proposal for diverting 0.96 ha. Of Forest Land out of Survey No. 97 for laying ash disposal pipe line from K'kheda TPS to Nandgaon Ash Bund at Village Dorali Tah. Parseoni, Dist. Nagpur.

PART - II

(II)

(to be filled up by the concerned Deputy Conservator of forests)
State Serial No. of proposal _____

7	Location of the project/scheme	
i)	State / Union territory	
ii)	District	
iii)	Forest Division	
iv)	Area of Forest land proposed for diversion (in Ha.)	
v)	Legal status of forest	
vi)	Density of vegetation	
vii)	Species-wise (Specific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation/Hydel projects enumeration at FRL, FRL-2 meter & FRL-4 meter also to be enclosed).	
viii)	Brief note on vulnerability of the forest area to erosion.	
ix)	Approximate distance of proposed site for diversion from boundary of forest.	
x)	Whether forms part of National Park, wildlife sanctuary biosphere reserve, tiger reserve, elephant corridor, etc. (If so, the details of the area and comments of the Chief Wild Life warden to be annexed).	
xi)	Whether any rare/endangered/unique species of flora & flouna found in the area; if so details thereof.	
xii)	Whether any protected archaeological / heritage site/ defence establishment or any other important monument is located in the area; if so details thereof with NOC from competent authority, if required.	
8	Whether the requirement of forestland as proposed by the user agency in col. No.2 of part-I is unavoidable and barest minimum for the project. If no, recommended area item - wise with details of alternative examined.	
9	Whether any any work in violation of the Act. Has been carried out (Yes/No). If yes, details of the same including period of work done, action taken on erring officials. Wether work in violation is still in progress.	

10	Details of compensatory afforestation scheme :-	
i)	Details of non forest area / degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch.	
ii)	Map showing non forest/degraded forest area identified for compensatory afforestation and adjoining forest afforestation boundaries.	
iii)	Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.	
iv)	Total financial outlay for compensatory afforestation scheme.	
v)	Certificate from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests).	
11	Site inspection report of the D.C.F. (To be enclosed) especially highlighting facts asked in col. No. 7 (xi), (xii), 8 and 9 above.	
12	Division / District Profile :-	
i)	Geographical area of the district	
ii)	Forest area of the District	
iii)	Total forest area diverted since 1980 with number of cases	
iv)	Total compensatory afforestation stipulated in the district / divisions since 1980 on	
	a)	Forest land including penal compensatory afforestation
	b)	non-forest land
v)	Progress of compensatory afforestation as on (date) _____	
	a)	Forest land including penal compensatory afforestation
	b)	non-forest land
13	Specific recommendations of the D.C.F. for acceptance or otherwise of the proposal with reasons.	

Place : Nagpur

Date :

Deputy Conservator of forests
Nagpur Forest Division,
Nagpur

Name of Proposal : Proposal for diverting 0.96 ha. Of Forest Land out of Survey No. 97 for laying ash disposal pipe line from K'kheda TPS to Nandgaon Ash Bund at Village Dorali
Tah. Parseoni, Dist. Nagpur.

PART - III

(IV)

(to be filled by the concerned Chief Conservator of forests)

14	Whether site, where the forestland involved is located has been inspected by concerned Conservator of forests (Yes/No). If yes, the date of inspection & observation made in form of inspection note to be enclosed.	
15	Whether the concerned Chief Conservator of forests (T) agree with the information given in Part - B and the recommendations of Deputy Conservator of Forests.	
16	Specific recommendations of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.	

Place : Nagpur

Date :

Chief Conservator of forests
Nagpur

Name of Proposal : Proposal for diverting 0.96 ha. Of Forest Land out of Survey No. 97 for laying ash disposal pipe line from K'kheda TPS to Nandgaon Ash Bund at Village Dorali Tah. Parseoni, Dist. Nagpur.

PART - IV

(V)

(to be filled by the Nodal Officer or Principal Chief Conservator of Forests or Head of Forests Department)

17	Detailed opinion and specific recommendation of the State forest Department for acceptance or otherwise of the proposal with remarks. (While giving opinion, the adverse comments made by concerned Conservator of Forests should be categorically reviewed and critically commented upon).	
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Place : Nagpur

Date :

Principal Chief Conservator of Forests
Nagpur

Note on the Project

Maharashtra State Power Generation Company (Formerly Maharashtra State Electricity Board) has decided to construct 1 x 500 MW Khaperkheda Unit on the land of dismantled old power house area of 3 X 30 MW each. To meet the need of Ash generated from this unit, it is proposed to construct new ash bund. After thorough survey and investigation, the site for ash bund is selected near village Nandgaon & Bakhari which is found most suitable for ash bund. Scheme was approved by the MSEB vide Board Resolution No. 402 Dt. 29.03.1996 in which approval for acquisition of 358 Hectors of land was awarded for ash bund & ash disposal pipe line.

MAHAGENCO acquired the land in villages viz. Saholi, Singori, Garanda, and Hingna measuring about 18.42 Hec. of land during the period 1998 to 2003 through Land Acquisition Officer, Nagpur for laying ash disposal pipe line for disposal of ash generated from K'kheda TPS in Nandgaon Ash Bund.

After acquisition of land by MSPGCL for ash disposal pipe line, WCL authorities in the year 2004 informed that it was proposed to develop open cast mines at Singori block and the land is proposed to be acquired under Coal Bearing Act as well as Land Acquisition Act. As land acquired by MAHAGENCO for ash disposal pipe line fouls with the land subsequently to be acquired by WCL for their open cast mines at Singori block, it was decided to divert the pipe line along the periphery of the proposed land to be acquired by WCL & WCL will provide alternate corridor along the periphery of acquired land.

Accordingly, WCL authorities in the year 2010 submitted the proposal to the Director, Ministry of Coal, Govt. of India New Delhi for seeking permission for handing over the alternate land strip to MAHAGENCO vide letter No. WCL/L&R/AK/661 Dt. 10/06/2009 and finally Ministry Of Coal, Govt. of India approved transfer of land to MSPGCL on lease hold basis on Dt. 07/06/2010.

Thereafter, the matter was continuously pursued with WCL for handing over of alternate land to MAHAGENCO. The various meetings were held with officials of WCL in this regard at various levels. However, WCL could not hand over the physical possession of alternate corridor of land to MAHAGENCO, as said land is not in possession of WCL due to various reasons.

It was already communicated during the various meetings to WCL that due to non availability of alternate land to be provided by WCL to MSPGCL, work of ash disposal pipe line could not be completed and ash generated from newly erected and commissioned 500MW generation unit could not be disposed in Nandgaon Ash Bund. Meanwhile, alternate arrangement is made to dispose of ash generated from Khaperkheda TPS in Waregaon Ash Bund capacity of which is at the stage of exhaustion. It may cause water pollution in Kanhan River as the overflow from Waregaon Ash Bund flows in Kanhan River. The said fact has been pointed out by Pollution Control Board on many occasions & MPCB had already issued notice to MSPGCL with regard to pollution at Kanhan River.

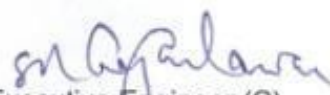
The matter about pollution in Kanhan River & Kolar River has been pointed out by Nagpur Municipal Corporation and it has been informed that the water pollution caused due to ash disposal at Waregaon Ash Bund hazards to human health and notice has been given in that regard by Municipal Commissioner, NMC, Nagpur. In case the ash disposal area in Nandgaon could not be put to use by commissioning the ash disposal pipeline, shortly, it may result in forcing MSPGCL to suspend generation from 1340 MW generation unit at Khaperkheda.

In the aforesaid background, MAHAGENCO has invited tenders and started the work of Construction of RCC Pedestals for laying of Ash Pipe Line from TPS, K'kheda to Nandgaon Ash Bund in the land acquired by MAHAGENCO in coal belt area.

The WCL has filed special civil suit no. 405 of 2014 before the 6th Civil Judge Senior Division, Nagpur, for seeking declaration and injunction against MSPGCL & further stopping the work of construction of Ash Pipe Line Pedestals, since the said land is acquired by WCL under Coal Bearing Act.

Being the matter of National Importance Hon'ble Court suggested to refer the matter for mediation & appointed Hon. Shri. M.W. Chandwani, Additional District Judge Nagpur as a mediator. Accordingly Mediation proceedings has been started in the court. During the course of Mediation proceedings it was mutually agreed that WCL will provide alternate land in C B Act area within the period of (6) Months to MSPGCL for laying ash disposal pipe line. During the Mediation proceedings, it comes to the notice that alternate land which is to be provided by WCL to MSPGCL consist of forest land of survey No 97 of 11.05 Hec. of village Dorli. The proposal for transfer of forest land has already been initiated by WCL and is pending for approval with forest department. The proposed ash disposal pipe line along the route suggested by the WCL passes through the forest land. MSPGCL requires 0.96 Hectors of land out of the 11.05 Hec. forest land. During the Mediation proceedings officials of forest department intimated that once the forest land is transferred for one purpose (i.e mining purpose of WCL) said land can not be transferred by the User Agency to other one (i.e. MSPGCL) for other purpose i.e. for laying ash disposal pipe line. Hence Forest Department's officials suggested that new proposal for transfer of 0.96 Hec. of forest land as required by MSPGCL for laying ash disposal pipe line shall be initiated side by side. WCL authorities also agreed that they will provide No Objection Certificate to the effect that they have no objection for transfer of 0.96 Hec. of forest land of survey No 97 out of forest land for which they has already initiated the proposal. Necessary certificates from the Collector, Nagpur, Archeological Department and Grampanchayat Dorali have already been furnished by WCL authorities with their proposal.

Hence this proposal for transfer of 0.96 Hec. of forest land is submitted for further perusal.


Executive Engineer (C),
Civil Construction Dn. I,
MSPGCL, Khaperkheda

Western Coalfields Limited
(A Subsidiary of CIL)



Website : www.westerncoal.nic.in
CIN : U10100MH1975GO1018626

Office of the Area General Manager,
Nagpur Area,
Po. Jaripatka, Dist. Nagpur-440 014(MS)
Phone (PBX) 2643547/48, 2643655(Direct)

Fax : 0712-2643553
e-mail : apnagpur@gmail.com

Ref. No. WCL/AGM-NGP/CIB/ 473

Date : 27.08.2014

To,

The Executive Engineer ,
Civil Construction Dn.1.,
MSPGCL, Khaperkheda.

Sub: Issue of No Objection Certificate for spare 0.96 Hecter of forest land out of Survey No.97 of Mouza Dorli, Tah. Parseoni, Dist. Nagpur

Ref : Letter No. EEE/CCD-1/K'Kheda/Tech/0126 dated 24th July 2014

Dear Sir,

Please refer your above letter in the subject matter through which you have requested to obtain "No objection" for sparing 0.96 ha. of forest land from Survey No.97 totally ad-measuring 11.05 ha. The NOC of WCL is being given in the following circumstances:-

(1) Mahagenco does not have any alternative passage then subject Survey No.97 which has been appreciated by Honorable Judge in the mediation(As on he east/south side there is Kanhan river edge and on the north west side there is proposed excavation of singori O.C.P.

(2) This land area falls in the essential requirement of WCL for Singori OCP for activities like safety zone , excavation or embankment etc.

Further , NOC is being released subject to following conditions :-


(a) In no case the proposal of forest diversion of Singori OCP (15.19ha.) is reverted back on account of the subject NOC

(b) Deduction of 0.96 ha. Area from Survey No.97 shall be effected without any adverse impact on he proposal of forest land of WCL.

(3) The proposed 0.96 ha. strip shall not hinder the excavation and embankment of Singori O.C.P. which is shown in the enclosed plan.

(4) Any Statutory Expenditure related to the proposal 0.96 ha. Land for which NOC is being given shall be borne by MAHAGENCO.

Yours faithfully,


Area General Manager,
Nagpur Area

Statement showing forest land area to be acquired for laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village Dorli Tahsil Parseoni, District – Nagpur.

Name of village : Dorli, Tal. Parseoni, Dist. Nagpur

Sr. No.	P.H. No.	Survey No.	Particulars	Land is to be acquired	Remarks
1	12	97	Forest Land	0.96 Ha.	Proposal for transfer of remaining land out of survey No. 97 has already been initiated by WCL.


Executive Engineer (C)
 Civil Construction Dn. No. I
 MSPGCL, Khaperkheda.

(117)

25-4-55-2-28-एएलए* सीए 934

2. No. 10022/24 of 18-10-40

WJ1582 dt. 4-7-86 From D. G. P. & S. Bombay.

गाव नमुना सात (अधिकार अभिलेख पत्रक)

गव नमुना सोत (आयिकी जमिनी)

तालुका पारशिबन



क्रमांक	भूमापन क्रमांकाचा उपविभाग	भूधारणा पद्धती	भोगवटादाराचे नाव	व्याते क्रमांक
९७	वि. शांभराजी			कुळचे नाव
न्यायिक नाव				
नागवडीयोग्य क्षेत्र	हेक्टर	आर	महाराष्ट्र शासन वनविभाग नागपूर	इतर अधिकार मा. उ. न्या. मं. शासकीय माली अपेक्षा क्रमांक १२ एच. एन. डी. १३८५४ दि. १४.६.९४ मन्वरी वनविभाग नागपूर माली हस्तांतरित करवास्त केल्यावरून
एकूण				
नागवडीयोग्य नसलेले-				
व (अ)				
व (ब)				
एकूण				
	रुपये	पैसे		सीमा आणि भूमापन चिन्हे

गाव नमुना शाखा

गाव नमुना सिकोचा नोंदवही
[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवही] (संशोधन अधिनियम, १९७१ यातील नियम २९)
लागवडीसाठी

[illegible]

तलाठी वाघोडा
माझा क्र. १२ तालुका पारशिवनी
27.11.03

Sanjay Kumar
EXECUTIVE ENGINEER (C)
Civil Construction Dn. No. 1
M.S.P.G.C.L., Khaperkheda.

V. F. - No. 7, 7A, & 12 (122)
RECORD OF RIGHTS FORM

Village :- Dorli		P.C. No. :- 12		Taluka :- Porvoni	
Survey No.	Nature of Holding		V. F. 7		Account No.
L.S. No. of existing Name	97	Vi. Cultivable	Name of Occupant :-		Name of Tenant -
Cultivation Area	Hectares	R.	Government of Maharashtra		Other Rights :- As per S.D.O. Ranik's Order No. 12 LND. 93-94 Dtd. 14-07-1994 transferred to Forest Department, Nagpur.
Un cultivation Horticultural paddy field					
Total :-					
Class A					
Class B	11	05			
Total :-	11	05			
Land Revenue	Rs.	ps			
apl Assessment					
Total :-					

Year	Name of Occupant	Proc.	se-assessment	Area under cultivation					Land not available for cultivation	Sources of Irrigation	Remarks
				Mix crops total Area	Name of every mix crop		Not mix crop area				
					Name of mix crops	Irrigation	Non-irr.	Irrigation	Non-irr.		
1991-92										Cha	11.05
1992-93										Cha	11.05
1993-94										Cha	11.05

Sd/-
Tatahi Waghoda
P.C No. 12
Taluka - Forseon

Sd/-
Tatahi Waghode
P.C. No. 12
Taluka - Porvoni

M. Agarkar
EXECUTIVE ENGINEER (C)
Civil Construction Dn. No. 1
M.S.P.G.C.L., Khaperkheda.

D.Y. C. E. (C)

S. E. (C)

J. E. (C)

D.Y. C. E. (C)

A. O. (C)

A. M. (C)

MAHAGENCO

MAHARASHTRA STATE POWER GENERATION CO. LTD.

Office of Chief General Manager (Gen.P&P), 'Prakashgad', 3rd floor, Bandra (East), MUMBAI 400 051
 Phone: (O) 2647 4211 / 2647 2131 (P) 26475759 Fax No. 022-2647 5329

Ref. No. DG/K'kheda Expn./Consultancy/ 2826

Date: 5 JUN 2006

BY FAX / BY COURIER

Fax No. 022 - 27892933

To,

M/s. Development Consultants Pvt. Ltd.,
 Apeejay Commercial Complex, 5th floor,
 Plot No.87, Sector 17,
 Vashi,
 NAVI MUMBAI - 400 703.

Attn.: Shri I.A. Mukaddam, Director

Sub: Khaperkheda TPS Expn. Project 1x500MW - Environmental clearance by
 MoEF - Reg.

- Ref: 1. LOA No.DG/KPKD Expn./Consultancy/6104 dtd.15.12.2005.
 2. Our letter No.DG/K'kheda Expn./Consultancy/2593 dtd.23.5.2006.
 3. Letter No.F.No.J-13011/24/2005-IA.II(T) dtd.2.6.2006 from Ministry
 of Environment & Forests, Govt. of India, New Delhi, according
 environmental clearance for the subject project.

Dear Sirs,

With reference to the above and in continuation to our letter dtd.23.5.2006,
 please find enclosed herewith a copy of letter dtd.2.6.2006 from Ministry of
 Environment & Forests, Govt. of India, New Delhi, according environmental
 clearance for Khaperkheda T.P.S. Expansion Project 1x500MW, which is self
 explanatory.

You requested to ensure compliance to the conditions and environmental safe
 guards mentioned in the said letter, during design and engineering of the subject
 project.

This is for information and further needful please.

Thanking you,

Yours faithfully,

Encl: As above

Chief General Manager (Gen.P&P)

Copy along with encl. f.w.cs.to:
 CGM (Gen.O&M), Khaperkheda
 CGM (GC), Koradi
 CGM (C)Gen.I, Mumbai
 CGM (C)Gen.II, Koradi

For information & necessary action pl.

Copy to:
 GM (Civil), Khaperkheda - For information & necessary action.

copy to: GMCT
 Gmc/II
 SEC/1
 SEC/II

Superintending Engineer (Civil)/Adm.
 O/o Chief General Manager (Civil)/Gen.I

BY SPEED POST

F No. J-13011/24/2005-IA-11(T)
Government of India
Ministry of Environment & Forests

Paryewaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003

Dated: 2nd June 2006

To

The Chief General Manager(CEHSU)
Maharashtra State Power Generation Company Ltd
Corporate Environment, Health and Safety Unit,
Prakashgad, 3rd Floor,
Plot No. G-9, Bandra (East)
Mumbai- 400 051

Sub: 1x500 MW Coal based expansion project at Khaperkheda Thermal Power Station at Khaperkheda, Nagpur, Maharashtra by M/s Maharashtra State Power Generation Co. Ltd. - Environmental Clearance reg.

Sir,

The undersigned is directed to refer to your communication No. CGM/CEHSU/1x500 MW Proj./K'kheda expn./EIA/328 dated 6th December, 2005 regarding the subject mentioned above. Subsequent information furnished vide letter no. CGM/CEHSU/1x500 MW Proj./K'kheda expn./EIA/051 dated 2nd February, 2006 have also been considered.

2. It is noted that the proposal is to setup a 500 MW unit within the existing premises of Khaperkheda Thermal Power Station which has an existing installed capacity of 840 MW. The power station has a total land area of 573 ha. Out of this, 60 ha. of land will be used for the proposed unit which will be made available by dismantling an old abandoned unit of 3x30 MW. No reserved forest and / or ecologically sensitive area is involved in the project. No displacement of population is involved due to the project. The proposed plant will be based on coal. It has been estimated that about 2.5 million tonnes per year of coal will be required and would be sourced from Wardha Coal Fields in Maharashtra and Talchar Coal Fields in Orissa. Water requirement of 20 million m³/annum for the expansion project will be met from the already allocated quantity of water to the existing project from Pench Project. No additional water will be required. Public hearing for the project was held on 18.11.2005 and NOC was Issued by Maharashtra Pollution Control Board on 17.01.2006. The

project cost is Rs 2295.00 crores including Rs 127.55 crores for environmental protection measures.

3. On the basis of the information submitted and after its consideration by the Expert Committee for Thermal Power Projects, environmental clearance for the above mentioned project is hereby accorded subject to implementation of the following conditions and environmental safeguards:

- (i) All the conditions stipulated by Maharashtra Pollution Control Board vide the letter no. BO/RO(P&P)/TB-/CC-150 dated 17.01.2006 shall be strictly implemented.
- (ii) No additional land shall be acquired for the project.
- (iii) Particulate emission from the existing units shall be brought down within 150 mg/Nm³ by December, 2006 and in case of the new units it shall be limited to 50 mg/Nm³.
- (iv) Low NO_x burners shall be installed to reduce the NO_x emission.
- (v) COC of not less than 4 shall be adopted. No additional water shall be required for this project.
- (vi) Ash shall be collected in dry form only and disposed of in the form of High concentration slurry. 100% fly ash utilization shall be achieved within 9 year in accordance with the notification S.O. 763(E) dated 14.9.1999 and the amendments made therein from time to time.
- (vii) Ash content in coal to be used as fuel shall not exceed 34%.
- (viii) Rain water harvesting shall be practiced. A detailed scheme for rain water harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority/State Ground Water Board and a copy of the same shall be submitted within three months to the Ministry.
- (ix) The treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon.
- (x) A single flue stack of 275 m with exit velocity of not less than 20 m/sec shall be installed with continuous On-line monitoring system.
- (xi) Electrostatic Precipitators (ESPs) with an efficiency of 99.9% efficiency shall be installed to limit particulate emission within 50 mg/Nm³. Automatic system for shutting down the power plant in the event of non-functioning of ESPs shall be installed.

- (xii) Regular monitoring of ground water in and around the ash pond area shall be carried out, records maintained and six monthly reports should be submitted to the Regional Office of this Ministry at Bhopal.
- (xiii) Green belt of 50 m width shall be developed all around the power plant and around ash pond area. One third (1/3) of the total plant area shall be covered by green belt.
- (xiv) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (xv) Leq of Noise level should be limited to 75 dBA. For people working in the high noise areas, personal protection devices like ear plugs etc. shall be provided.
- (xvi) Regular monitoring of the ambient air quality shall be carried out in and around the power plant, records maintained and six monthly report should be submitted to the Regional Office of this Ministry at Bhopal.
- (xvii) For controlling fugitive dust, regular sprinkling of water in coal handling and other vulnerable areas of the plant shall be ensured. Dust arresters and dust suppression systems shall be provided.
- (xviii) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>.
- (xix) A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.
- (xx) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry/ Regional Office/CPCB/SPCB.
- (xxi) Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted to MoEF from time to time shall be forwarded to the Regional Office for their use during monitoring.
- (xxii) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. This cost should be

included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

(xxii) Full cooperation should be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry at Bhopal/the CPCB/the SPCB who would be monitoring the compliance of environmental status.

4. The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.

5. The environmental clearance accorded shall be valid for a period of 5 years for starting construction/operation of the power plant. In case, the project authorities fail to do so within this stipulated period, the environmental clearance shall stand lapsed automatically.

6. In case of any deviation or alteration in the proposed project from that submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

7. The above stipulations shall be enforced along with others as under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991 and rules there under, the Environment Impact Assessment Notification of January, 1994 and their subsequent amendments.

(Dr. S.K. Aggarwal)
Director

SECRET

CERTIFICATE

Minimum Demand of Forest Area (Certificate of Project authority)

This is to certify that no suitable alternate Non Forest Land is available for the, transfer of 0.96 Ha. Forest Land out of Survey No. 97, for laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village **Dorli** Tahsil Parseoni, District – Nagpur and demand for the required forest land is lowest minimum Demand for the same.


Executive Engineer (C)
Civil Construction Dn. No. I
MSPGCL, Khaperkheda.

CERTIFICATE

Non Violation of Forest Conservation Act. 1980 / Guidelines under it (Certificate of Project authority)

This is to certify that the provisions of Forest Conservation Act. 1980 and guidelines under it has not been violated in transfer of 0.96 Ha. Forest Land out of Survey No. 97, for laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village **Dorli** Tahsil Parseoni, District – Nagpur.


Executive Engineer (C)
Civil Construction Dn. No. I
MSPGCL, Khaperkheda.

CERTIFICATE

Net Present value : (Project Authority)

Certified that the project authority agrees to defray the Net Present value for transfer of 0.96 Ha. Forest Land out of Survey No. 97, for laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village **Dorli** Tahsil Parseoni, District – Nagpur as fixed by Forest Department for the area 0.96 ha. has proposed for acquisition for the project as above.


Executive Engineer (C)
Civil Construction Dn. No. I
MSPGCL, Khaperkheda.

CERTIFICATE

Certificate of Project Authority (Providing i.e. water supply : Facilities to.)

Certified that the project authority agrees to provide water supply from the storage of the project as per the requirement of the Forest Department for afforestation @ prevailing rate at the time water supply as fixed by the Government.


Executive Engineer (C)
Civil Construction Dn. No. I
MSPGCL, Khaperkheda.

CERTIFICATE

Cost of felling of tree certificate (Project Authority)

This is to certify that Project Authority fully to agrees to bear the cost of clearance / removal of the vegetation growth from the forest land proposed to be released for non forest use for the construction of laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village **Dorli** Tahsil Parseoni, District Nagpur.


Executive Engineer (C)
Civil Construction Dn. No. I
MSPGCL, Khaperkheda.

CERTIFICATE

Certificate about project area lying within or outside Scheduled Tribal Area (Certificate by Project Authority)


- (a) Certified that the proposed project area i.e. transfer of 0.96 Ha. Forest Land out of Survey No. 97, for laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village **Dorli** Tahsil Parseoni, District – Nagpur is outside the Scheduled tribal Area.


Executive Engineer (C)
Civil Construction Dn. No. 1
MSPGCL, Khaperkheda.

CERTIFICATE

Certificate of the project authority to get the Environment Clearance **(Whenever necessary)**

Certified that the project authority has already seek Environment Clearance for the proposal from Environmental wing of Ministry of Environment and Forests under Environment Protection Act and Environment Impact Assessment Act. of 1994.


Executive Engineer (C)
Civil Construction Dn. No. 1
MSPGCL, Khaperkheda.

CERTIFICATE

Certificate of Non Indemnity to forest Department

(By project authority)

I, S.R. Gajralwar, Executive Engineer (C), Civil Division No. I MSPGCL, Khaperkheda, District Nagpur hereby to undertake to indemnity the forest Department, Government of Maharashtra in the matter of pending for inquiry U/S 22(A) of the Maharashtra Private Forest (Acquisition) Act. 1975 (Act. 13 of 1975) pertaining to the land bearing Sur. No. 97, area 0.96 Ha. at Village. Dorli, Tahsil- Parseoni District Nagpur belonging to Forest Department which stands acquired as reserved forest under the provision of above mentioned Act. in the event of restoration of the above land or part thereof to the owner under the provision of inquiry U/S 22 (A) of the said Act., since an area of 0.96 Ha. out of the said Survey No. area is proposed for transfer of 0.96 Ha. Forest Land out of Survey No. 97, for laying Ash Disposal Pipe line from Khaperkheda TPS to Nandgaon Ash Bund at Village Dorli Tahsil Parseoni, District – Nagpur, project. The liability of such an event shall be with us.

The undertaking has been given on 6.08.2014


Executive Engineer (C)
 Civil Construction Dn. No. I
 MSPGCL, Khaperkheda.

CERTIFICATE

Certified that project authorities agrees to bear the expenses towards cost of compensatory afforestation of an alternative degraded forest land and also cost of clearance / removal of the vegetal growth from the Forest Land proposed to be diverted for non forest use of Survey No. 97 of village Dorli, Tah. Parseoni, Dist. Nagpur.

In addition to above project authorities agrees to pay the cost of fencing to the safety zone area and the cost of regeneration and protection of safety zone area as well as cost of afforestation over 1.5 times of the safety zone area of degraded forest elsewhere as per the rate applicable at the time of approval.


Executive Engineer (C),
Civil Construction Dn. I
MSPGCL, Khaperkheda

MAHARASHTRA STATE POWER GENERATION COMPANY LTD KHAPERKHEDE PROJECT
PLAN SHOWING THE AREA FOR DIVERSION OF FOREST LAND OF 0.96 Hect. (SURVEY NO. 97) FOR LAYING OF ASH DISPOSAL PIPE LINE, WATER RECOVERY PIPE LINE AND SERVICE ROAD.
TAH. - PARSEONI, DIST. NAGPUR (M.S.)

SCALE - 1:5000

GPS COORDINATE	EASTING	NORTHING
A	307939.741	2354094.832
B	308019.636	2354107.855
C	308197.919	2354199.714
D	308179.606	2354356.236
E	308153.368	2354365.216
F	308171.059	2354214.011

760N
FOREST AND SURVEY

GPS COORDINATE	EASTING	NORTHING
A	307939.741	2354094.832
B	308019.645	2354107.855
C	308197.919	2354199.714
D	308179.606	2354356.236
E	308153.368	2354365.216
F	308171.059	2354214.016

MAHARASHTRA STATE POWER GENERATION COMPANY LTD KHAPERKHEDA PROJECT PLAN SHOWING THE AREA FOR DIVERSION OF FOREST LAND OF 0.96 Hect. (SURVEY NO. 97) FOR LAYING OF ASH DISPOSAL PIPE LINE, WATER RECOVERY PIPE LINE AND SERVICE ROAD. TAH. - PARSEONI, DIST. NAGPUR (M.S.) SCALE :- 1:5000	PLAN NO. :- DL-2
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