

Six Monthly Monitoring Report on Compliance of conditions Stipulated in Environment Clearance of Parbati-II Power Station (October 2025 to March 2026)																								
1	Name of the project	Parbati-II Power Station (800 MW)																						
2	Type of the project	Hydroelectric project																						
3	Clearance Letter(s) OM No. & Date a) Environment clearance b) Forest clearance	F. No. J-12011/34/2001-IA-I, dated 04.06.2001 No.8-77/96-FC, dated 04.09.2001 No.8-77/96-FC, dated 17.03.2004																						
4	Locations a) District(s) b) State(s) c) Latitude d) Longitude	Kullu Himachal Pradesh Between 31°- 40’ and 32°-15’ N Between 77°-08’ and 77°-50’ E																						
5	Address for Correspondence a) Address of concerned Project Head (pin code and Telephone/Fax numbers) b) Address of concerned HOD in Corporate Office (with pin code and Telephone/Fax numbers)	General Manager (I/C) HOP Parbati-II Power Station, NHPC, Nagwain, Distt.-Mandi(HP),Pincode-175121 Tel. No.01905-287771, Fax No.01905-287772 Executive Director (Environment & Diversity Management Division), Corporate Office, NHPC Ltd., Sector - 33, Faridabad, Haryana - 121 003. Telephone : 0129-2250111																						
6	Details of Environment Management Plans	Enclosed as Annex-I.																						
7	Break-up of the Project area(Land details) a) Submergence area (forest & non-forest) b) Others	Break-up of Total Land: 222.3700 a)Submergence area i) Forest land : 12.4776 ha ii) Non-Forest land : 5.3132 b) Others i) Forest land : 133.1431 ha ii) Non-forest land : 71.4361																						
8	Breakup of the project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only, both dwelling units and agricultural land and land less laborers / artisans a) SC/ST/Tribals	Break-up details of total nos. of PAFs: 947 <table><tr><th>Type of PAFs</th><th>SC</th><th>ST</th><th>Others</th><th>Total</th></tr><tr><td>Fully affected</td><td>123</td><td>02</td><td>314</td><td>439</td></tr><tr><td>Partially affected</td><td>117</td><td>0</td><td>391</td><td>508</td></tr><tr><td>Total</td><td>240</td><td>02</td><td>705</td><td>947</td></tr></table> (a) SC-240, ST-02			Type of PAFs	SC	ST	Others	Total	Fully affected	123	02	314	439	Partially affected	117	0	391	508	Total	240	02	705	947
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	b) Others	(b) Others-705
9	Financial details a) Project cost as originally planned and subsequent revised estimates and the years of price reference. b) Actual expenditure incurred on the project so far. c) Allocations made for Environmental Management Plans. d) Actual expenditure incurred on the environmental management plans so far.	a) Rs 3919.59 Crores (at Dec.,2001 Price level) b) Rs 13014.38 Crore (Approx.) till March 2026 c) Rs 105.74 Crores (as per Annex-I) d) Rs. 88.00 Crores till March 2026 (as per Annex-I).
10	Forest land requirements a) Status of approval for diversion of forestland for non-forestry use. b)The status of clear felling of trees in forestland.	(i) Initially, proposal for diversion of 87.795 ha of forestland was approved by MOEF vide letter dated 04.09.2001. (ii) Revised proposal for diversion of overall requirement of 145.6207 ha (87.795 ha + 57.8257 ha) of forestland was accorded by MOEF vide Letters dated 17.03.2004 (iii) In-principle approval for diversion of 0.354 ha was accorded vide letter dated 30.04.2008. 8124 Nos. of trees have been felled by HP State Forest Corporation.
11	Status of construction a) Date of commencement (actual and/ planned) b) Date of completion (actual or planned)	a) September, 2002 (Actual) b) COD for the three units (600 MW) has been declared as on 01.04.2025 and 4th unit (200 MW) on 16.04.2025.
12	Reason for the delay if the project is yet to be started.	The Project is commissioned.
13	Details of Site visits a) By Monitoring committee b) By Regional Office	Last Meeting held: 20th meeting of Environment Monitoring Committee was held on 19th and 20th November 2025 at the Project. Official from Regional Office (MOEF&CC), Shimla also visited the project during EMC meeting held on 19th an 20th November 2025.
14	Brief Note on status of compliance of the conditions stipulated by MOEF	Enclosed as Annexure-II .

Budget allocation Vs expenditure incurred on Environment Management
Plan (EMP) of Parbati-II Power Station (till March, 2026)

Annexure-I

S.No.	MANAGEMENT PLANS	ALLOCATED FUND (Rs in lakh)	EXPENDITURE (Rs in lakh)
1	Management Plan for biologically rich areas	1741.40	1617.00
2	Fisheries development	73.69	73.69
3	Creation of green belt around reservoir periphery	20.00	21.05
4	Landscaping and restoration of construction areas	185.00	0.47
5	Relocation and rehabilitation of dumping material	2190.64	803.10
6	Catchment Area Treatment Plan	2670.97	2669.26
7	Resettlement & Rehabilitation plan	250.00	304.93
8	Disaster Management Plan	296.00	367.86
9	Compensatory Afforestation Scheme	109.71	109.71
10	Cost of penal Compensatory afforestation	5.945	05.945
11	Condonation Cost	100.00	100.00
12	Economic Rehabilitation Plan	131.69	106.56
13	Public Health Delivery System	444.60	52.66
14	Payments to HP State Pollution Control Board etc.	254.35	544.61

ADDITIONAL CONDITIONS STIPULATED BY MoEF			
15	Conservation and habitat improvement of endangered species	2100.00	2000.00
16	Check post to regulate movement of forest produce	—	23.48
	Total(Rs in lakh)	10574	8800.325

Status on compliance of conditions stipulated in EC letter

Sr.No.	Conditions (Sl.No. 3, EC)	Status of Compliance
Specific Conditions-A		
i).	Upstream of Pulga dam site on the right bank, a stretch of conglomerate consisting of heterogeneous material exists. It is desirable that a facial treatment of the upstream site is given in this stretch. Provision of Phase treatment in this zone should be made so that stability of the slope is not disturbed. The project authorities have included such measures in that DPR. These should be adopted in toto.	The treatment work of Fossil valley has been completed.
ii).	A total network of 80.75 kms. Roads are to be constructed in dam complex, Sheelagarh complex, Power House complex. Care should be taken in the construction of roads in general and in Sheelagarh and JiwaNallah area in particular, as these are in the forest.	The construction of roads to various project sites has been completed and the same are under maintenance. Proper care was taken in construction of roads in forest area.
iii).	A socio-economic up-liftment plan has been suggested in the EIA report for the people of Parbati and adjacent valleys. This plan should be followed.	Against the budget allocation of Rs.131.69 Lakhs for Economic Rehabilitation Plan, developmental activities amounting to Rs 106.56 lakh have been executed so far. Details are as under: i) Rs. 42.80 Lakhs released to GM, DIC, Kullu, Distt. Kullu (HP) for weaving training of project affected people. 281 persons have been trained so far. ii) Rs. 4.66 Lakhs released to Dr. Y.S. Parmar Horticulture University, Bajoura, Distt.Kullu for farmers' training of project affected people. iii) Rs. 2.40 Lakhs released to Kullu Distt. Animal Husbandry Deptt. for purchase of veterinary Medicines for the first year. iv) Rs. 12.65 Lakhs released to GM, DIC,Kullu, Distt.Kullu (HP) for ITI training to project affected people. Total 64 candidates imparted ITI training. v) Rs. 9.64 Lakhs spent on construction of 2 Nos. veterinary dispensaries.

		vi) Rs 2.64 Lakhs for distribution of 10000 Anar Plants and training programme for Project affected persons (PAPs) of Gram Panchayat Raila. vii) Rs 27,700/- for one day field/demonstration Programme on cultivation and distribution of Medicinal Plants at Manihar, Gram Panchayat Parli. viii) Rs 3,44,400/- for two day training Programme on Anar plants cultivation and for distribution of 15,000 Pomegranate (Anar) Plants for PAPs of Gram Panchayat Raila & Dhogi. ix)Rs. 21,950/- for one day training programme on “Scientific Management of Cattle for the project affected people of gram-panchayat Gadsa area. x) Rs 17,200/- for one day training program on Scientific Management of cattle for Project affected persons of Gram Panchayat- Raila xi) Rs 1,05,232/- for one day training program on “Cultivation of Anar Plantation for Project affected persons of gram-panchayat-Garsa on dated 18.01.2019. xii) Rs 73,453/- one day training programme on Pomegranate(Anar) plantation and scientific management of cattle organized at village Ninu Gram Panchayat Jyeshtha on 29.01.2020. xiii) Rs 1,15,368/- for one day training program on apple plantation and scientific management of cattle organized at Parli Gram Panchayat on 24.2.2021 & Gram Shilha on 02.03.2021. xiv) Rs 18750/- 250 nos. of Apple sapling distributed among villagers of Manihar Gram under Parli Panchayat on 17.3.2021. xv) Rs. 1,81,837/- for one Day training programme on apple plantation and Scientific Management of cattles organized at Village Manihar, Parli Gram Panchayat on 22.02.2022 & Gram Shilha of Barshaini Gram Panchayat on 16.03.2022. XVI) Rs. 2,71,221/- one day training programme on Apple Plantation and Scientific Management of cattles organized at Gram Manihar, Gram Panchayat, Parli on 17.01.2023, Gram Raila, Gram Panchayat, Raila on 24.01.2023 & Gram Shilha, Gram Panchayat, Barshaini on 28.02.2023. XVII) An amount of Rs. 20.00 lakh has been released
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		to the District Industries Centre (DIC), Kullu on 02.09.2025 as the first instalment for conducting Weaving Training for 60 Project Affected Persons from Sainj, Garsa, and Manikaran areas under the Parbati Hydro-Electric Project, Stage-II. This release is against the total approved estimate of Rs. 40.00 lakh received from DIC, Kullu. The process for the release of the remaining funds is currently under progress. Total expenditure= Rs. 106,56,111.00
iv).	The natural ecosystems between Sheelagarh and PanchaNallah and Sheelagarh and ManiharNallah are critical areas of concern. The proposed road activities and trench weirs at both these sites are bound to degrade and disturb these natural ecosystems. To minimize damage to these ecosystems, measures proposed in the Environmental Management Plan (page 19-20) should be followed. Measures mentioned at Page (19-20) of EMP are : i. Labourer population will be kept to a minimum to avoid crowding of the area, particularly in the regions in the vicinity of high biodiversity and animal and bird habitats. ii. The labour will be given a one-day orientation training, which will highlight the importance of the critical species of animals and plants and the consequences of bringing any harm to them. Strict penal action will be mentioned to them clearly in this workshop. iii. There will be strict monitoring of the labourers so that they do not indulge in harvesting, poaching or any kind of trade of these critical/endangered species. iv. The labourers will be strictly forbidden to enter the forest area and under no	(i) Labour population has been kept to barest minimum to avoid crowding of the area. (ii)The labour has been thoroughly instructed regularly. (iii)Labour movement is strictly monitored by NHPC officials as well as by forest authorities. (iv)The restrictions are strictly followed.

	circumstances create any disturbance and necessary provision for fines and termination of labourer services will be enforced to ensure to be compliance. v. The temporary labourers colony will be constructed at Sheelagarh and no such colony will be allowed to come up between Sheelagarh and PanchaNallah. vi. In order to prevent labourers venturing into the forest in search of fuel wood and fodder, necessary arrangements are to be made for providing them subsidized kerosene oil or fuel wood from the depots established for this purpose. vii. Efforts would be made with the help of local administration to ban opening of any roadsides kiosk, shop or any such joint, which will attract concentrated human population. The project authorities would ensure that these pristine habitats remain hands off areas for general public as far as any activity inside these habitats is concerned. Necessary regulatory mechanisms will be put in place to ensure the undisturbed nature of these ecosystems. viii. In case of geotechnical feasibility, it is proposed that wherever possible roads will be avoided and instead small distance tunnels would be constructed. In this manner a lot of disturbance and degradation will be avoided.	(v)No labour camp is in the forest area. (vi)Free fuel supply has been made mandatory on the part of contractors to its workforce as per contract agreement. Lodging as well as boarding facilities are being provided by contractors thus avoiding any scope for any pressure on fuel wood. Details of expenditure incurred by major contractors under free fuel provision attached Annexure -II(a) (vii)No establishments are allowed to come up on the diverted forestland. (viii)This has been taken into consideration.
v).	Noise level during construction should be kept to the minimum and no activity should be carried out at night as the	The same condition has been modified to the extent mentioned below by MoEF vide letter No. J-12011/34/2001-1A-1 dated 21/03/2002.

	project site is in the close vicinity of natural animal/bird habitats, such as Sheelagarh, Hurla and ManiharNallah where dense forest cover exists.	<i>“No blasting activity should be carried out at night as the project site is in close vicinity of natural animal/bird habitats such as Sheelagarh, Hurla, Manihar Nallah where dense forest exists.”</i> No blasting is done in the open areas during night. Due care is being taken by site-In-charge for implementation of the blasting operations for underground works also.
vi).	No permanent human settlements should be allowed to come up beyond Kalga village in Parbati valley, as the Himalayan Black Bear frequents the area. Similarly, no human activities should be allowed beyond Sheelagarh, Manihar village and in PanchaNallah area.	No settlement is being allowed beyond project area.
vii).	For conservation and preservation of flora & fauna of Parbati valley a conservation cell should be created in accordance with the proposal given in the EMP (page 12-16)	The Project-I titled “Sustainable Livelihoods Based Approach to Biodiversity Conservation in the Great Himalayan Conservation Landscape” prepared by WII, Dehradun has been submitted by Forest department involving cost of Rs.1741.40 lakhs. This also contains the provision for the setting up of Parbati Valley Conservation Cell. Payments to the tune of Rs.1617.00 Lac. has been released under this head so far. Utilization of Rs. 14.20 Crore has been received from GHNP upto 2023-24 and balance amount of Rs. 1,96,31,072 will be spent in this financial year. Forest department has submitted another Project (Project-II) titled “Conservation of Endangered Species in Himachal Pradesh” involving Financial implications of Rs. 20 Crore. Under this head, entire amount of Rs.20 crore has been released to the Conservator of Forests, National Park, Shimla Distt. Kullu for the Conservation and habitat improvement of endangered species. Utilization certificate for Rs. 20.00 Crores has been received so far. Parvati Valley Conservation Cell (PVCC) has been constituted by GHNP authorities vide their letter no. dated 06/12/2017. DFO, GHNP has been requested vide letters dated 08.04.2019, 21.05.2019 and 26.07.2019 for convene the meeting of PVCC and submit the progress report of Project I. DFO, GHNP has been again requested vide letter dated 22.07.2020 & 10.04.2021 for convene the

		meeting of PVCC and submit a report on ongoing works of Project-I and a comprehensive report of the work done under Project-II along with Geo-Coordinates. DFO, GHNP has been requested vide letter dated 18.10.2022 to convene the meeting of PVCC Governing body. ACF, GHNP has been requested during 18th EMC meeting held on dt.26.09.2023 to convene the PVCC meeting at the earliest as the matter is being pursued since long back. He assured to convene the meeting very shortly. DFO, GHNP has been requested vide letters dated 28.03.2024, and 17.12.2024 to convene the meeting and submit the progress report of ongoing works of Project-I and a comprehensive report of the work done under Project-II along with Geo-Coordinates. DFO, GHNP has been requested vide letter dated 26.04.2025 and 27.01.2026 to convene the meeting of PVCC and complete the remaining works within prescribed time. Director, GHNP and DFO GHNP have been requested vide letter dt. 28.04.2026 to convene the meeting of PVCC and complete the remaining works within prescribed time as discussed in the 20th EMCM.
viii).	Under the economic rehabilitation plan for Pulga, Kalga, Tulga and Jhuni villages inter cropping system of fruit and non-fruit crop may be considered.	Under economic rehabilitation plan, the details of activities being taken up by the project have been given at condition point no. (iii) above.
ix).	The degraded catchment area shall be treated within 8 years from the start of the project at a cost of Rs. 2569.22. 980 ha. has been proposed for biological measures and 2700 ha. for engineering measures in addition 800 Rmts. diversion drains, 2500 retaining walls 600 vegetative spurs will be provided.	An amount of Rs. 2669.26 Lakhs has already been released to HP State Forest Department towards the CAT Plan and in the form of equipment under Additional CAT Plan. Out of total fund deposited for CAT works, progress report of works amounting to Rs. 1726.64 Lakhs has been submitted so far by State Forest Deptt upto FY 2023-24. DFO, Parvati Forest Division was requested vide letter dated 22.07.2020 to expedite balance CAT works and submit physical and financial progress after compiling expenditure of works done by all forest divisions. It was also requested to submit Geotagged maps of CA

		area and complete the balance works as per EC letter. Further, DFO, Parvati Forest Division was requested vide letter dated 28.08.2020 to complete the implementation of CAT Plan well before the onset of operation phase of Project. It was also requested vide letter dated 09.04.2021 & 15.06.2021 to expedite the balance CAT/CA works and submit the physical and financial progress to project. Moreover, DFO, Parvati Forest Division vide letter dated 08.09.2021 & 08.04.2024 has been requested to implement protection work in Jigrai Nalla and expedite the balance CAT & CA works in accordance to discussion held in EMC meeting on 24.06.2021 & 26.09.2023 at Project. The same has been discussed in detail with DFO, Parvati Forest Division, Shamshi on various occasions and he has assured to Project for implementation of the same as per available resources. PCCF (HoFF), Shimla, GoHP has been requested vide letter dated 26.09.2022, 22.12.2023, 16.04.2024, 25.11.2024 & 17.12.2024 for implementation of complete CAT plan before completion of project. PCCF (HoFF), Shimla, GoHP has been requested vide letter dated 08.07.2025, 27.01.2026 for implementation of complete CAT plan at the earliest. DFO, Parvati Forest Division has been requested vide letter dated 17.12.2024 & 30.07.2025 in detail about implementation of CAT plan in catchment areas of project and to achieve the CAT plan at the earliest. DFO, Parvati Forest Division has been requested vide letter dt. 10.02.2026 to expedite and complete the balance works of CAT plan as discussed in the 20th EMCM.
	Part-B, General Conditions	
i)	Adequate free fuel arrangement should be made to the labour force engaged in the construction work at the project cost so that indiscriminate felling of trees is prevented. Fuel depot should be open at the site to provide the fuel(Kerosene/wood etc.).	These facilities are being provided by the Contractors as per the contract agreement. Details of Nos. of labourers, free fuel provided and amount spent are given at Annexure- II (a)
ii)	Medical facilities as well as recreational facilities should be	These facilities are being provided by NHPC as well as by all the major contractors. Details are attached as

	provided to the labourers. All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.	Annexure – II (b) & II (c), respectively.
iii)	Restoration of construction area including dumping sites of excavated materials at dam site should be ensured by leveling, filling up of burrow pits, landscaping etc. the area should be properly afforested with suitable plantation.	Construction of Project was started in September 2002 and Commercial operation of 3 units was declared on 01.04.2025 and 4th unit on 16.04.2025. For the filled up dumping sites, slope stabilization has been undertaken by providing intermediate gabions. Thereafter, necessary afforestation/rehabilitation measures have been implemented at 11 Nos. of closed dumping sites in collaboration with a CSIR Institute named 'Institute of Himalayan Bio-resource Technology, Palampur (Himachal Pradesh). Out of the 11 Nos. of closed dumping sites, 06 dumping sites have been handed over back to the State Forest Deptt. The restoration work of DS-15 has been awarded to State Forest Deptt. (DFO, Parbati Forest Division, Shamshi) vide letter dated 01.10.2019 at a total cost of Rs.50,11,699.00 Lakh. Restoration work is under progress and DFO has submitted utilization certificate (UC) of fund received from Project through 1st & 2nd installments. The payment for 3rd installment has been made to DFO, Parbati Forest Division on 09.04.2021. DFO submitted the UC of Rs.18,51,100.00 Lakh under 3rd installment on 10.01.2025 and the remaining amount of Rs.1,53,579.00 Lakh shall be incurred for maintenance in next 3 financial years. The restoration work of DS-15 is under progress. The dumping sites that had previously been rehabilitated/ restored were adversely affected by the recent natural disaster. In response to requests from the HPSPCB, Kullu and the State Forest Department, and in line with the discussions held during the EMC meeting on 08.10.2024, the project has formally awarded the restoration and strengthening work for the designated damaged sites and the work is under progress.
iv)	Downstream of dam, flood-zoning approach should be done. No settlement should be allowed in flood zone.	No settlement has been allowed on the River/Nallah banks. This is also being monitored by District Administration as well as Forest Department. In this context, a letter was also written to Dy. Commissioner Kullu Distt. Kullu (HP) vide No.NH/PHEP-

		II/GM/06/3620-21 dated 17/10/06, vide which it was requested not to allow people to establish permanent settlements downstream of Pulga dam site. Caution signboards have been displayed on the banks of Parbati river and main Nallas.
v)	Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, at Chandigarh for review.	Six monthly report is being submitted to Integrated Regional Office (IRO, MOEF&CC), Shimla along with MOEF&CC, New Delhi. The last report was submitted to IRO, Shimla, MoEF&CC vide letter dated 25.11.2025.
4.	Officials of the Regional Office MoEF, Chandigarh would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by project proponents during their inspection.	Periodic inspections are being done by Regional Office, MoEF&CC. On 19 th and 20 th November 2025, the 20 th meeting of Environment Monitoring Committee was held at Project wherein the representative of IRO, MOEF&CC have also participated.
5.	The responsibility of implementation of environmental safeguards rests fully with the National Hydroelectric Power Corporation Ltd.	Environmental safeguards are being implemented.
6.	In case of change in scope of project, project would require fresh appraisal.	There is no change in the scope of the project.

Annexure – II(a)**Details of expenditure incurred by Major Contractors under Free Fuel Provision**

(From October 2025 to March 2026)

Sr. No.	Name of the Contractors	Nos. of Laborers engaged	Expenditure under free fuel provisions (Rs.)
1	M/s Gammon CMC Joint Venture (HRT)	27	96,938.00
2	M/s Gammon Eng. & Contractors Pvt. Ltd (Adit-I Shilah)	02	Nil

Annexure-II (b)

Details of Medical Facilities available at Parbati-II Power Station (NHPC)
(From October 2025 to March 2026).

1. **Dispensaries:** at Nagwain, Garsa, Sainj and Manikaran.
2. Details of Medical and Para-medical Staff:-
 - i. General Manager (Medical Services) : 01
 - ii. Chief Medical Officer : 01
 - iii. Sr. Medical Officer : 01
 - iv. Sr. Supervisor (Hospital) : 01
 - v. Supervisor (Dresser) : 01
3. **Other facilities available:**
USG Machine, ECG, Nebulizer, AED, Cardiac Monitor with Defibrillator, BMI Monitor, Oxygen cylinder, S/E Machine, Oxygen concentrator one at each location
4. **Ambulances** with drivers are provided at Nagwain, Manikaran & Sainj Dispensary.
5. Medical facilities are being provided to local people in Project Dispensaries by consultation & providing medicines, details of which are as under:

Month	Nagwain	Sainj	Garsa	Manikaran	Total
Oct 2025	56	77	10	12	155
Nov 2025	50	85	7	5	147
Dec 2025	35	62	15	10	122
Jan 2026	37	57	13	13	120
Feb 2026	53	69	17	6	145
March 2026	38	75	15	19	147
Total					836

6. Awareness camp on Swasth naari, Sashakt parivar at Manikaran for female staff was conducted on 07.10.2025. Free Medical camp was held on 06.12.2025 at Nagwain Hospital. Free Medical camp was held on 06.12.2025 at Charu foundation, Sarvari, Kullu and Barshaini on 28.03.2026.
7. Bio Medical Waste Management is done through outsources agency Enviro-Engineers, Shimla.

Details of Medical Facilities provided by Major Contractors to their labourers (Parbati-II)

(October 2025 to March 2026).

1. M/s Gammon CMC Joint venture (Sheelagarh): The following medical facility is being provided:

- a. Dispensary 01 nos. (at Thella)
- b. Ambulance 01 nos. (at Thella)
- c. Complete First Aid Kit (at Thella)
- d. Oxygen cylinder 03 nos. (at Thella)

2. M/s Gammon Engineers and Contractors Pvt. Ltd (Shilha): The following medical facilities are being provided.

- a) PHC Dispensary at Manikaran.
