



सं० टीएचडीसी/ऋ०/सा० एवं पर्या०/फ०-117/178

दिनांक : 30-10-2024

सेवा में,

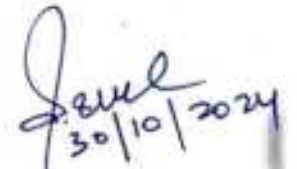
1. Deputy Director General of Forests (C)
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,
उत्तर केन्द्रीय क्षेत्रीय कार्यालय,
25, सुभाष रोड, देहरादून - 248001
2. सदस्य - सचिव,
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
आई.ए. डिवीज़न (आर.वी. एवं एच.ई.पी.),
वायु विंग, कमरा सं० 303, इंदिरा पर्यावरण भवन
जोर बाग रोड, नई दिल्ली - 110 003

विषय: 21st Six monthly progress report (April' 2024 - September' 2024) on environmental aspects of Vishnugad Pipalkoti Hydroelectric Project (444 MW) located at Distt. Chamoli, Uttarakhand - reg.

Sir,

In compliance to Point (vii) of Part B: General Conditions of Environment Clearance letter No. J-12011/29/2007-IA.I dtd. 22.08.2007 and subsequent fresh clearance on dated 26.08.2021 issued by MoEF&CC, please find enclosed herewith the Six monthly progress report on environmental aspects of Vishnugad Pipalkoti Hydroelectric Project (444 MW) located at Distt. Chamoli, Uttarakhand for your kind perusal and record please.

Thanking You,


30/10/2024

(विपिन धपलियाल)

उप० महाप्रबंधक (पर्यावरण)

संलग्नक: उपरोक्तानुसार

प्रतिलिपि: सादर सूचनार्थ

1. महाप्रबंधक (सामाजिक एवं पर्यावरण), टीएचडीसीआईएल, ऋषिकेश
2. अपर महाप्रबंधक (सामाजिक एवं पर्यावरण), टीएचडीसीआईएल, पीपलकोटी

SIX MONTHLY PROGRESS REPORT ON ENVIRONMENTAL ASPECTS

Period April' 2024 to September' 2024

1.	Name of the Project	VISHNUGAD PIPALKOTI HYDRO ELECTRIC PROJECT (444 MW)
2.	Type of the Project	Hydroelectric Project
3.	Clearances OM No. & Date a) Environment Clearance b) Forest Clearance	<p>i) Letter No. J-12011/29/2007-IA.I, Dated 22.08.2007</p> <p>ii) Corrigendum regarding Catchment Area, letter no. J-12011/29/2007-IA.I, Dated 18.01.2008</p> <p>iii) Amendment regarding minimum environmental flow, letter no. J-12011/29/2007-IA-I, Dated 31.05.2011</p> <p>iv) Extension of validity of Environment Clearance till 21.08.2020, letter no. J-12011/29/2007-IA.I, Dated 25.04.2018.</p> <p>v) Extension of validity of Environment Clearance till 21.08.2021, letter no. J-12011/10/2020-IA.I (R), Dated 02.03.2021.</p> <p>vi) Fresh Environment Clearance granted by MoEF&CC vide letter dtd. 26.08.2021.</p> <p>i) Stage-II Forest Clearance (Final) Letter No. F.No.8-65/2009-FC, Dated 28.05.2013</p>
4.	Locations a) District(s) b) State (s) c) Latitude (Dam Site) d) Longitude (Dam Site)	<p>a) Chamoli</p> <p>b) Uttarakhand</p> <p>c) 79°29'30" E</p> <p>d) 30°30'50" N</p>
5.	Address for Correspondence a) Address of concerned Project Head (with pin code and telephone / fax nos.) b) Address of concerned HOD in Corporate Office (with pin code & telephone/ fax no.)	<p>a) Sh. Ajay Verma, CGM (Project), VPHEP, THDCIL, Alaknandapuram, Siyasain, Pipalkoti, Distt. Chamoli (Uttarakhand). Pin code: 246472 Tel (O): 01372-256200 Fax (O): 0137-256203</p> <p>b) Sh. Amardeep, GM (S&E), THDCIL, Bypass Road, Pragatipuram, Rishikesh (Uttarakhand) Pin code: 249201 Tel (O): 0135-2473340 Tel (O): 0135-2473474</p>
6.	Details of Environmental Management Plan	Attached as Annexure – I
7.	Break - up of the Project area (land details) a) Dam and Submergence area (forest & non-forest)	<p>Total land Acquired by Project - 141.568 Ha. (Includes Private & Forest Land)</p> <p>a) Dam and Submergence area Forest: 28.478 Ha. Non-Forest: -</p>

	b) Others	b) Others (Exclusive of above 'a') Forest: 71.912 Ha. Non-Forest: 31.639 Ha. (Private) Transferred to Project by PWD: 9.539 Ha.
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 landless laborers / Artisans. a) SC /ST /Tribal's b) Others	Attached as Annexure - II
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 Plan.	a) Investment approval to the project amounting to Rs. 2491.58 Cr at March, 2008 Price Level has been accorded by CCEA on 21.08.2008. Revised RCE of Rs. 3860.35 Cr (including IDC & FC) at Feb'19 PL has been vetted by CEA on 20.03.2020. b) The expenditure incurred on VPHEP Project till September' 2024 is Rs. 4056.80 Cr. c) Rs. 109.53 Crs (As per EMP of VPHEP formulated during July' 2021)
10.	Forest Land requirements a) Status of approval for diversion of forest land for non -forestry use b) The status of clear felling in forest land	a) Vide letter no. F.No.8-65/2009-FC dated 28.05.2013, stage-II Forest clearance was accorded by MoEF, GoI. b) The details of 812 Number of Tree Felling is under: Dam - 555, Approach Road (TRT to Siyasain to Durgapur) – 200, Approach Road (Siyasain Road to Dhobi Ghat) – 07 & Dumpyard (Siyasain) - 50
11	Status of construction a) Date of commencement (actual and/planned) b) Date of completion (actual or planned)	a) 17.01.2014 b) Planned: 16.07.2018 (54 months from date of commencement of construction work). Revised: The commissioning of the 1 st unit of Project is expected in Mar' 2026.
12.	Reason for the delay if the project is yet to be started.	NIL
13.	Details of site visit a) By Monitoring Committee	a) Vide order dated 17.10.2014, District Magistrate, Chamoli has constituted the Environment Monitoring Committee. Second meeting of committee was

	<p>b) By Regional Office</p>	<p>conducted on 22.02.2016</p> <p>Based on the suggestions of the Additional Director, MoEF&CC, R.O. Dehradun (Jan' 2017 visit), the Multi-Disciplinary Committee has been re-constituted vide MoEF&CC letter no. J-12011/29/2007-IA-I dated 10.10.2017.</p> <p>The reconstituted Multi-Disciplinary Committee (MDC) under the chairmanship of PCCF-HoFF, Uttarakhand has visited the project site on 28.07.2018.</p> <p>a) Dr. S.C. Katiyar, Addl. Director (S), MoEF&CC, North Central Regional Office, Dehradun visited the VPHE Project on 09.01.2017 & 10.01.2017.</p> <p>b) Dr. S. C. Garkoti, Advisor, MoEF&CC, New Delhi along with Dr. S. C. Katiyar, Addl. Director (S), MoEF&CC, North Central Regional Office, Dehradun has visited the VPHEP site on 02.08.2017 & 03.08.2017.</p> <p>c) Dr. S.C. Katiyar, Addl. Director (S), MoEF&CC, North Central Regional Office, Dehradun has visited the VPHE Project on 28.07.2018.</p> <p>d) Sh. Pankaj Agarwal, Addl. PCCF and Dr. S. C. Katiyar, Addl. Director, MoEF&CC, Regional Office, Dehradun has visited the VPHE Project on 11-12 Nov 2018.</p> <p>e) Dr. Krishnendu Mondal, Scientist – C, MoEF&CC, Regional Office, Dehradun has visited the VPHEP Project on 12-13 Oct' 2020.</p> <p>f) Dr. Krishnendu Mondal, Dy. Director, MoEF&CC, Regional Office, Dehradun has visited the VPHEP Project on 07-08 Nov' 2022.</p> <p>g) Dr. Vipin Gupta, Scientist-B, MoEF&CC, Regional Office, Dehradun has visited the Project Site on 12-13 June' 2023.</p>
<p>14.</p>	<p>Brief Note on the status of Compliance of the conditions stipulated by MoEFCC</p>	<p>A brief note on status of conditions stipulated by MOEF is enclosed as Annexure - III.</p>

ENVIRONMENTAL MANAGEMENT PLAN

S. NO.	PLAN	ACHIEVEMENT
1	Development of Herbal Garden	<ul style="list-style-type: none"> • Based on recommendations of HRDI, Mandal, Gopeshwar, Herbal Garden has been developed in the VPHEP colony over an area of 1800 sqm. approx. Also, two nos. dedicated manpower/gardener has been deployed for the maintenance of Herbal Garden. • Approx. Rs. 21.84 lakhs have been incurred on various works related to the development of the Herbal Garden. • Medicinal plants like Harad (Terminalia Chebula), Lemon Grass (Cymbogonfelxuusus), Sarp Gandha (Rauvolfia Serpentina), Aloe Vera etc. planted.
2	Road Side Plantation	<ul style="list-style-type: none"> • Requisite funds have been deposited under CAMPA for implementation. • Matter is under persuasion with State Forest Deptt. for start of works.
3	Wildlife Protection (related to NDBR & KWLS)	<ul style="list-style-type: none"> • Wildlife Protection: <ul style="list-style-type: none"> – Two (02) nos. Watch Towers has been installed at identified locations at Powerhouse and TBM sites nearby the boundary of KWLS. – Ten nos. Camera Traps were procured on the recommendation of E&S panel. Out of which, 08 nos. Camera Traps handed over to Forest Department (Nanda Devi National Park) for installation in NDBR on 20.03.2018 and has been installed in NDBR by Forest Department at appropriate location. Balance 02 nos. of Camera Traps have been handed over to Kedarnath Forest Division on 12.06.2019. – Controlled Blasting techniques are being practiced and the same is being monitored by construction contractor through Central Institute of Mining & Fuel Research (CIMFR), Roorkee. Report up to April' 2024 has been received. – Awareness Programs are being organized from time to time. – A cleanliness campaign was organized at VPHEP as part of the Swachhta Hi Seva programme, which was held on October 1, 2023, at the VPHEP office complex. – The Swachhta Pakhwada was successfully organized from 16th May 2024 to 31st May 2024 at the under-construction VPHEP project of THDC India Limited, Pipalkoti. A plantation drive along with an awareness program was organized on the occasion of World Environment Day, 5th June, 2024 in the project premises on the theme of “Land restoration, desertification and drought resilience”.
4	Compensatory Afforestation in 120.27 Ha	<ul style="list-style-type: none"> • Compensatory Afforestation and other works (Roadside Plantation, construction of 4 feet high pillar etc.) is being done by the State Forest Department, GoUK. Requisite funds have already been deposited by THDCIL in CAMPA. • THDCIL is continuously pursuing the issue with Senior Forest Officials at Dehradun and at Divisional Level. • Issue was also discussed in the meeting of Multi-Disciplinary Committee constituted by MoEF&CC, New Delhi under the chairmanship of PCCF-HoFF, GoUK held on 22.08.2022 at Van Bhawan, Dehradun.

		<ul style="list-style-type: none"> The Chairman - MDC, PCCF-HoFF, has directed the concerned Forest officials to take all-out efforts to for early completion of these activities. Till December' 23 Compensatory Afforestation works in 105.583 Ha area has been completed out of 120.27 Ha by State Forest Department. The present status of Compensatory Afforestation works up to September' 2024 is requested from the Forest department.
5	Catchment Area Treatment Plan	<ul style="list-style-type: none"> Total Implementation value for CAT is Rs. 47 Crs., the total amount of Rs. 47 Crs stands deposited by THDCIL in CAMPA fund. DFO Badrinath Forest Division is the Nodal Officer for CAT Plan. Vide letter dtd. 30.12.2017, final approval has been granted to DPR along with Micro plans for CAT Plan of VPHEP by Forest Deptt., GoUK. State Forest Deptt., Uttarakhand is executing activities as per approved DPR. An expenditure of Rs. 44.74 Cr (approx.) has been made by Forest Deptt. till May' 2024 under CAT Plan of VPHEP. The present status of expenditure against CAT Plan of VPHEP upto September 2024 is requested from the forest department. Issue of slow progress of CAT Plan was also discussed in the meeting of Multi-Disciplinary Committee constituted by MoEF&CC, New Delhi under the chairmanship of PCCF-HoFF, GoUK held on 22.08.2022 at Van Bhawan, Dehradun. The Chairman - MDC, PCCF-HoFF, has directed the concerned Forest officials to take all-out efforts to for early completion of the CAT related works. DFO Badrinath, Nodal Officer has been requested for earliest completion of works under CAT Plan of VPHEP.
6	Muck Management Plan	<ul style="list-style-type: none"> Dumping of muck is being done at designated / identified area & well above the high flood level. Engineering measures such as construction of gabion faced reinforced earth wall with uniaxial geo-grid reinforcement are adopted at dumping site. Benches are being developed to discontinue the slopes in dumpyard. Work of plantation of Vetivar (Chrysopogon Zizanioides) grass as slope stabilization measure at Siyasain dumping site (DY-4) has been started in September 2018. Plantation in approx. 15,000 sqm. area has been completed at DY-4. M/s HCC Ltd. has been instructed to ensure necessary reclamation works at all Disposal sites. For Biological measures at Muck dumping sites, plantation of local plant species (such as Ghingar, Hinsalu, Nirgundi, Kilmoda, Kingod, etc) will also be done along with Vetiver Grass as suggested during the 1st meeting of the monitoring cell constituted by Hon'ble NGT under the chairmanship of Chief Secretary, GoUK held on 19.01.2023. Details of muck management till September 2024, is as under <ul style="list-style-type: none"> ➤ Muck generated (Approx.) = 36.97 Lacs m³ ➤ Muck utilization (Approx.) = 12.39 Lacs m³ ➤ Muck utilized for Community Development works = 2.63 Lacs m³ ➤ Muck dumped (Approx.) = 21.95 Lacs m³
7	Fish Management	<ul style="list-style-type: none"> The Consultancy Services for preparation & supporting Implementation of Fish Management Plan for VPHEP have

	Plan	<p>been awarded to Directorate of Coldwater Fisheries Research (ICAR-DCFR), Bhimtal.</p> <ul style="list-style-type: none"> • For framing the appropriate fish management plan, ICAR-DCFR has conducted a series of fish survey and water sampling work along River Alaknanda from Vishnupyarag to Karan Prayag. • Final Report has been received from ICAR-DCFR. ICAR-DCFR has recommended to construct Snow Trout Fish Hatchery. • Also, a one-week training on Aquatic Biodiversity in Feb’ 2020, has also been conducted for the Executives of Environment Deptt. at College of Fisheries, GB Pant University of Agriculture & Technology (GBPUAT), Pantnagar by HRD, Rishikesh.
8	Green Belt Development Plan (Plantation of approx 12500 trees)	<ul style="list-style-type: none"> • Green Belt Development has been implemented under the Consultancy of noted Environmentalist Sh. Jagat Singh Chaudhary alias “Junglee” and with the help of State Forest Deptt. Broad-Leaved, Fast-Growing plant species have also been planted as suggested by “Jungli Ji” and Forest Deptt. • Till September’ 2024, cumulatively 9150 nos. (approx.) plants (Jacaranda, Silver Oak, Jamun, Harad, Bahera, Tejpaat, Amaltaas, Neem, Amrood, Padam, Bamboo etc.) are planted. Maintenance of plants is being done regularly.
9	Restoration of Quarry Site	<ul style="list-style-type: none"> • Till September’ 2024, no Quarry site has been opened for excavation / mining. • All statutory clearances for Gadi Quarry have been obtained. Mining from Gadi Quarry has not yet been started. • The quarrying is yet to commence. However, the quarry areas will to be restored after completion of quarrying operations.
10	Solid Waste Management	<p>VPHEP COLONY</p> <ul style="list-style-type: none"> • The Solid Waste is collected at source, stored in bins and transported through vehicle for handing over to Nagar Panchayat, Pipalkoti for safe disposal. • Necessary infrastructure for SWM facility constructed nearby the VPHEP colony area. • Roadside Bins (Separate bins for Organic and Inorganic Waste) etc. have been procured and installed at appropriate locations for proper collection of waste. • Additionally, 01 nos. mini truck has been procured through SEWA-THDC and donated to Nagar Panchayat – Pipalkoti. As per mutual agreement Nagar Panchayat – Pipalkoti is collecting the solid waste of VPHEP for safe disposal. • Meeting was done with Executive Officer in charge of the Nagar Panchayat to ensure safe disposal of waste at Pipalkoti. • Initiatives like replacing plastic water bottle with reusable Glass bottles in meetings have been implemented at Project. • Ban of Single use plastic– VPHEP has been declared zero plastic zone. <p>M/S HCC LTD. – WORKER/LABOR CAMPS</p> <ul style="list-style-type: none"> • Necessary provisions have been kept for Waste Collection, Handling, Segregation, Disposal process under the contractor’s EMP.

		<ul style="list-style-type: none"> • Separate bins are placed at labour camps and construction sites for biodegradable and non-biodegradable wastes. • The waste collected is handed over to Nagar Palika / Panchayat. • Wastes (Hazardous/E-waste/others) being stored in storage yard for safe disposal and handed over to authorized vendors only.
11	Road Construction	<ul style="list-style-type: none"> • During Road Construction all precautionary measures for soil erosion, slope stability, drainage to be taken care as per Indian Standards • Regular Water Sprinkling is being done for dust suppression. • Provision for water drainage along the road line is provided wherever required.
12	Sanitary Facility Labor Camp	<ul style="list-style-type: none"> • HCC has constructed the camps for its staff / workers and for PRW workers at Helang for the persons engaged at Dam site activities and also at Haat & Batula (Haat-Kauria Road) for the Power House activities. • Also, HCC has hired various private accommodations / hotels for accommodating the officers and workers at site. • All the accommodations are provided with Toilets, Bathrooms and community mess. Septic cum Soak pit tank have also been constructed at camp sites for safe disposal of sewage.
13	Fuel	<ul style="list-style-type: none"> • Community kitchen for labor / worker at camps being run on LPG. • Usage of approx. 14,365 nos. commercial LPG cylinders have been reported by the contractor up to September' 2024.
14	Public Health Delivery Plan	<p>Public Health Delivery system</p> <p>– VPHEP, THDCIL</p> <ul style="list-style-type: none"> • At VPHEP Complex, a Dispensary is operational with adequate number of beds. • Medical Staff includes Doctor, Nurse, Para medical staff, Dresser etc. • Additional facilities by engaging staff on contractual basis deputed. Ambulance deployed. • The Medical Facilities are extended free of cost among Project Affected people apart from local Population as well. • A well equipped pathology lab has also been started in the dispensary to support health checkup. • Awareness program on menstrual hygiene and gender sensitization are also being conducted on regular basis covering affected villages and nearby schools. • A MoU for the construction of New Building at District Hospital Gopeshwar has been signed between THDCIL and Chief Medical Officer, Chamoli, Gopeshwar. 1st installment of 15% of total MoU value of Rs. 19.78 Lakhs has been released to CMO Chamoli on dt. 24.03.2023 and 2nd instalment of 25% of total MoU value of Rs. 32.98 Lakhs has been released to CMO Chamoli on 21.05.2024 and the executing agency submitted the physical progress report and 82% work has been executed till September 2024. <p>– M/s HCC</p> <ul style="list-style-type: none"> • 01 nos. First Aid Centres operational at each at Power House, TBM and Dam site.

		<ul style="list-style-type: none"> • Para Medical Staff & facilities deployed at First Aid Centers. • Ambulance facilities available at Power House, TBM and Dam. • Necessary treatment including required vaccination is being given to labors from time to time.
15	Environmental Monitoring Plan	<p>The monitoring on Environment Parameters (Air/Water/Noise/Effluents/Indoor Air/Emissions from DG Sets/Emissions from Vehicles/Noise from Construction Machinery/Meteorology etc.) to be monitored by the construction contractor. Blasting is being done in a controlled manner and monitoring of the same is being done through the reputed organization <i>Central Institute of Mining and Fuel Research, Roorkee</i>. Various monitoring includes;</p> <p>Monitoring of Air/Water/Noise etc. by contractor: The monitoring being conducted at different time intervals. Report from M/s HCC for Ambient Air, Indoor Air, drinking water, Effluent water & Noise level monitoring conducted during the period July’ 2024 to September’ 2024 has been received and all parameters are found within the permissible limits.</p> <p>Monitoring of Incidence of Water Related Diseases: MoU was signed with CMO, District Hospital Gopeshwar, Chamoli in 2015 for a period of 04 years. Monitoring of water related diseases was carried out and various HIV awareness programs have been organized in affected villages as per MoU through CMO, District Hospital Gopeshwar Chamoli. An MoU was signed with CMO, District Hospital Chamoli on 23.05.2020 for 03 years.</p> <p>A fresh MoU has been signed with CMO, District Chamoli, Gopeshwar on 14.07.2023 for 2 years. The fourth installment was released on 09.08.2024. Quarterly Monitoring reports up to June’ 2024 has been received.</p> <p>Ecological Monitoring: A MoU was signed with Post Graduate College, Gopeshwar on 19.05.2020 for 03 years. Annual Report for the year 2020-21, 2021-22 and 2022-23 has been received.</p> <p>River Water Quality Monitoring: Monitoring is being conducted at regular intervals through M/s PCRI BHEL Haridwar. Last set was conducted recently during March’ 2024.</p> <p>Meteorological Monitoring: Automatic Weather Station (AWS) for Recording of Temperature, Wind Speed & Direction, Humidity & Rainfall has been installed at Siyasain, VPHEP colony campus.</p>
16	Third Party Monitoring Mechanism for Environmental Works	<p>For Third Party Monitoring, M/s WAPCOS was engaged vide agreement dtd. 10.10.2014. Final consolidated report from (2015-2018) has been received in August 2019.</p> <p>Further in continuation, a MoU has also been signed between M/s WAPCOS and THDCIL on 18.04.2019 for Third Party EMP monitoring works of VPHEP from April 2019 to March 2020. Final consolidated report was submitted by M/s</p>

		<p>WAPCOS.</p> <p>For further continuing the monitoring, the work has been awarded to M/s WAPCOS from Jan' 2021 for a period of 03 years (36 months) on 31.12.2020. On the request of M/s WAPCOS, time extension has been given from 15.01.2024 to 14.01.2025 for Third-Party for Monitoring and Evaluation of Environment Management Plan (EMP). The fourth half yearly monitoring report from July' 2023 to December 2023' and fifth half yearly monitoring report from January' 2024 to June 2024' have been received and are under review and finalization. Monitoring is under progress.</p>
17	Third Party Monitoring Mechanism for CAT Works	<p>The MoU has been signed with ICFRE, Dehradun on 11.12.2014. Letter issued & date of start reckoned as 10.08.2015. Half yearly Reports to be furnished at regular intervals.</p> <p>The monitoring works for additional period upto Dec' 2021 has been awarded to M/s ICFRE, Dehradun vide GM (S&E), Rishikesh letter dtd. 25.02.2020. Subsequently, the work has been further extended for a period of six months vide letter dtd. 23.06.2022.</p> <p>ICFRE 11th report for the period of October 2021-December 2021 has been submitted. Site visit for final 12th consolidated report till June 2022, was conducted by ICFRE, draft report awaited.</p>
18	ISO 14001 & OHSAS 18001	<ul style="list-style-type: none"> VPHEP project is ISO 9001:2015, 14001:2015 & 45001:18001 certified unit.
19	Archaeological Management Plan	<p>As per the EMP, following actions are to be taken, i.e.</p> <ul style="list-style-type: none"> The Laxmi Narayan Temple at Village Haat is to be preserved through ASI Dehradun. A 10 Member Committee comprising 8 Members from Village Haat has been constituted by DM, Chamoli and 1st meeting of committee was held on 17.01.2015. ASI Dehradun was requested vide letters dated 11.02.2016, 01.06.2016, 05.09.2016 and 26.12.2016 for visit and consultancy. Meanwhile, the ASI team has visited the project on 21.02.2016. It was discussed with ASI team to provide the Action Plan and consent for executing the work. Thereafter, the ASI team visited the project on 18th March 2017 for site visit and assured that the necessary proposal shall be prepared and submitted very soon. A preliminary report has been obtained from ASI Dehradun. A meeting under the chairmanship of District Administration in presence of representative from ASI and The World Bank has been conducted between THDCIL and the representatives from Haat village on 23.04.2019 at VPHEP for protection and beautification works of Laxmi Narayan Temple at village Haat. The preliminary report of ASI Dehradun along with further protection plan suggested by The World Bank has also been shared and discussed with the Temple Committee and others during the meeting. Drawings as per the suggestions of the World Bank have been issued by Design Department, THDCIL, Rishikesh. Necessary action has been initiated at various levels of department. Recently, vide letter dtd. 20.09.2021, ASI Dehradun has been requested to provide the DPR for taking up the preservation work of Laxmi Narayan Temple.

		<ul style="list-style-type: none">• Also, DM-Chamoli vide letter dtd. 27.10.2021 has also requested DG-ASI, New Delhi for directing the concerned official for taking up the work at the earliest.• ASI Officials from Dehradun Circle visited the site on 14.03.2022. Matter is being pursued with ASI officials. <p>Further, Remains of Archaeological importance also need to be preserved or conserved.</p> <ul style="list-style-type: none">• An Archaeological Chance Find Card has also been issued to the contractor to report Chance finds, if any.• No chance finds reported till date. <p>An Archaeological Museum is proposed to be opened in the project area for display of Archaeological findings, if any.</p> <ul style="list-style-type: none">• A meeting was also held with SA, ASI in his Dehradun office for taking up the work of DPR for preservation and restoration of Laxmi Narayan Temple.• Presently, in compliance to the Hon'ble Court Order, Project has stopped muck dumping within 100m radius of Temple complex.
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STATUS OF CONDITIONS ON ENVIRONMENT CLEARANCE

SL. NO.	BRIEF DESCRIPTION OF CONDITIONS	STATUS AS ON SEPTEMBER' 2024
MoEF&CC LETTER Dated: 22.08.2007		
PART - A: SPECIFIC CONDITIONS		
1.	6202 hectare degraded Catchment Area of high category to be treated. CAT as has been proposed should be completed in three years.	<p>Total Implementation value for CAT is Rs. 47 Crs., the total amount of Rs. 47 Crs stands deposited by THDCIL in CAMPA fund. DFO, Badrinath Forest Division is the Nodal Officer for CAT Plan. DPR for CAT along with micro plans has been approved during December 2017.</p> <p>Forest Deptt. is executing activities as per approved DPR. Out of total 47 Crs., expenditure of Rs. 44.74 Cr (approx.) has been made by Forest Deptt. till May' 2024 under CAT Plan of VPHEP. The present status of expenditure against CAT Plan of VPHEP up to September 2024 is requested from the forest department.</p> <p>Matter was also discussed in the 4th meeting of Multi-Disciplinary Committee constituted by MoEF&CC, New Delhi under the chairmanship of PCCF-HoFF, GoUK held on 22.08.2022 at Van Bhawan, Dehradun.</p> <p>The Chairman - MDC, PCCF-HoFF, has directed the concerned Forest officials to take all-out efforts to for early completion of these activities.</p> <p>DFO Badrinath, Nodal Officer has been requested for earliest completion of works under CAT Plan of VPHEP.</p>
2.	346 project affected families are likely to lose their agriculture land. All the PAFs would be compensated as per the rates that would be assessed and decided by the district authorities. Over and above these compensation, the PAFs will be given" land for land" or	<p>Land Compensation as assessed & decided by Land Acquisition Officer is being disbursed through Special Land Acquisition Officer (SLAO) in accordance with the provisions of LA Act. About 95% PAF's have received payment from SLAO.</p> <p>Besides SLAO Payment, Project is extending various other benefits to the Project Affected Families in accordance to the R&R Policy of Project, framed based on NRRP-2007 & considering the World Bank Operational Policy.</p>

	<p>“Vocation / job” or “financial assistance “in addition to various rehabilitation benefits as per the NRRP - 2003.</p>	<p>The Affected Families are getting cash benefits in the form of various Grants like Fuel & fodder, Widow assistance, various Community Development Works etc. Also, VPHEP-THDCIL has employed 636 Project Affected Persons directly or indirectly and through Contractor HCC.</p> <p>Apart from above, Project is complying with the other Social Obligation as well.</p>
<p>3.</p>	<p>A Monitoring Committee for R & R should be constituted which must include representatives of project - affected persons from SC/ST category and a woman beneficiary.</p>	<p>Monitoring Committee has been constituted by DM, Chamoli; vide Order No. 725/26-MB (2008-09), Dt. 09.11.2009.</p>
<p>4.</p>	<p>All the equipment which are likely to generate high noise levels are to be fully mollified (Noise reduction measures) in view of the proximity of the project to Nanda Devi Biosphere Reserve.</p>	<p>The PUC certificate for the Light, Heavy Vehicles including for hired one and other construction equipment are being undertaken as per prevailing Guidelines, Rules and acts & renewed from time to time.</p> <p>The controlled blasting is being undertaken involving non electric delay detonation technique.</p> <p>Blasting is done during day time at pre-notified time only. Blast pattern & vibration is monitored by Central Institute of Mining and Fuel Research (CIMFR), Roorkee. No blasting is done during night & no disturbance is created for wild life habitat.</p> <p>M/s PCRI-BHEL, Haridwar and M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana recognized by MoEF&CC has been engaged to monitor the Environmental Parameters that includes Noise as well. The monitoring is being conducted at regular intervals as stipulated. The last set of monitoring was conducted through M/s PCRI-BHEL, Haridwar in March’ 2024 & M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana during September’ 2024. Reports have been received and all parameters are within permissible limit. Also, for Third Party Monitoring of EMP works, M/s WAPCOS (a PSU) has been engaged. The fourth half yearly monitoring report from July’ 2023 to December 2023’ and fifth half yearly monitoring report from January’ 2024 to June 2024’ have been received and are under review and finalization. Monitoring is under progress.</p>

5.	Minimum Water Flow of 15.65 Cumecs (Revised by letter dtd. 31.05.2011) should be released downstream during lean season.	MEFR shall be ensured as per latest Gazette Notification dtd. 10.10.2018 of MoWR, RD&GR, GoI.
6.	Consolidation and compilation of the muck should be carried out in the muck dump sites and the dump sites should be above high flood level.	<p>Dumping of muck is being done at designated / identified area & well above the high flood level.</p> <p>Engineering measures such as construction of gabion faced reinforced earth wall with uniaxial geo-grid reinforcement are adopted at dumping site. Benches are being developed to discontinue the slopes in dumpyards.</p> <p>Biological measures such as formation of Micro-benches (kyaries), laying of top soil, plantation of vetivar grass, manuring etc. are also being undertaken at site for slope stabilization. Plantation of Vetivar (Chrysopogon Zizanioides) in approx. 15,000 sqm. area has been completed till September' 2024 at DY- 4.</p> <p>For Biological measures at Muck dumping sites, plantation of local plant species (such as Ghingaru, Hinsalu, Nirgundi, Kilmoda, Kingod, etc) will also be done along with Vetiver Grass as suggested during the 1st meeting of the monitoring cell constituted by Hon'ble NGT under the chairmanship of Chief Secretary, GoUK held on 19.01.2023.</p> <p>Project is taking several initiatives to stabilize the DY through biological measures. 200 plants sapling were planted in the DY-4 on 17.07.2024 and large quantity of milky grass seeds were spread and sown in dump yards and slopes for greenery and stabilization of the DY's.</p>
7.	The project area is situated in close proximity to Nanda Devi Bio-Sphere Reserve, the possibility of the endemic flora cannot be ruled out completely. Hence suggested the plantation of those species which come under Rare, Endangered and Threatened (RET) category, if any, should be planted during the implementation of CAT and Compensatory Afforestation Works.	<p>The implementation of CAT Plan & Compensatory Afforestation works are being undertaken by State Forest Department, Uttarakhand.</p> <p>State Forest Department is executing the plantation of appropriate species as per their approved DPR of CAT Plan of VPHEP.</p> <p>Matter was also discussed in the 4th meeting of Multi-Disciplinary Committee constituted by MoEF&CC, New Delhi under the chairmanship of PCCF-HoFF, GoUK held on 22.08.2022 at Van Bhawan, Dehradun. The Chairman - MDC, PCCF-HoFF, has directed the Nodal Officer, Forest Deptt. to take immediate necessary action and expedite the matter.</p>

8.	Commitment made during public hearing should be fulfilled.	Commitments made during Public Hearing are being fulfilled (Annexure – IV).
PART - B: GENERAL CONDITIONS		
1.	Adequate free fuel arrangement should be made for the labour force engaged in the construction works at project cost so that indiscriminate felling of trees is prevented.	Contractor is running Community mess for its employees & work force. As per contractor report, approx. 14,365 nos. Commercial LPG Cylinders have been utilized in the Community Mess up to September' 2024.
2.	Fuel depot may be opened at the site to provide the fuel (kerosene / wood / LPG). Medical facilities as well as recreational facilities should also be provided to the labors.	<ul style="list-style-type: none"> ● Community Kitchen established in Camps for Contractors Employees & Workforce. ● 01 nos. First Aid Centres operational at each at Power House, TBM and Dam site. ● Para Medical Staff & facilities deployed at First Aid Centers. ● Ambulance facilities available at Power House, TBM & Dam area. ● Necessary treatment including required vaccination is being given to labors from time to time. ● Recreational facilities have been provided at labor camps by the contractor.
3.	All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.	Pre-Employment Medical checkup is undertaken before induction and issuing Work Permit to the labours. Also, Medical examination & vaccination of workmen is done from time to time. Treatment as & when required is also administered.
4.	Restoration of construction area including dumping site of excavated materials should be ensured by leveling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.	Proper re-vegetation provisions exist in EMP and will be ensured after accomplishment of Dumping activity & at appropriate time. Biological measures such as formation of Micro-benches (kyaries), laying of top soil, plantation of vetivar grass, manuring etc. are also being undertaken at site for slope stabilization. Plantation of Vetivar (Chrysopogon Zizanioides) in approx. 15,000 sqm area has been completed till September' 2024 at DY- 4. For Biological measures at Muck dumping sites, plantation of local plant species (such as Ghingaru, Hinsalu, Nirgundi, Kilmoda, Kingod, etc.) will also be done along with Vetiver

		<p>Grass as suggested during the 1st meeting of the monitoring cell constituted by Hon'ble NGT under the chairmanship of Chief Secretary, GoUK held on 19.01.2023.</p> <p>Project is taking several initiatives to stabilize the DY through biological measures. 200 plants sapling were planted in the DY-4 on 17.07.2024 and large quantity of milky grass seeds were spread and sown in dump yards and slopes for greenery and stabilization of the DY's.</p>
5.	Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.	Budget Provisions of Rupees 109.53 Crores in EMP of July' 2021 have been earmarked towards implementation of Environment Management Plan (EMP) by Project.
6.	A Multi-Disciplinary Committee should be constituted with representatives from various disciplines of forestry, ecology, wildlife, soil conservation, NGO etc. to oversee the effective implementation of the suggested safeguard measures.	<p>District Magistrate, Chamoli, vide order dated 17.10.2014, constituted the Environment Monitoring Committee under the Chairmanship of Chief Development Officer (CDO), District Chamoli. The 1st Meeting was undertaken on 20.03.2015. The 2nd Meeting of committee was conducted on 22.02.2016.</p> <p>Based on the suggestions of the Additional Director, MoEF&CC R.O. Dehradun (Jan 2017 visit), the Multi-Disciplinary Committee has been re-constituted vide MoEF&CC letter no. J-12011/29/2007-IA-1 dated 10.10.2017.</p> <p>The 1st meeting of Multi-Disciplinary Committee under the chairmanship of PCCF-HoFF, GoUK held on 28.07.2018 at Project site.</p> <p>The 2nd meeting of Multi-Disciplinary Committee was held on 28.02.2020 under the chairmanship of PCCF-HOFF, GoUK at Van Bhawan Dehradun & 3rd meeting of Multi-Disciplinary Committee was held on 31.07.2021 under the chairmanship of PCCF-HOFF, GoUK at Van Bhawan. Dehradun.</p> <p>The 4th MDC meeting was held on 22.08.2022 under the chairmanship of PCCF-HoFF, GoUK at Van Bhawan, Dehradun.</p>
7.	Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Lucknow for review.	Last Six-Monthly report was submitted to concerned office vide letter dated 17.05.2024.
OTHER CONDITIONS		
4.	Officials from Regional Office MOEF,	Full Logistic supports as and when required will be ensured by Project.

	Lucknow who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection.	<p>a) Dr. S.C. Katiyar, Addl. Director (S), MoEF&CC, North Central Regional Office, Dehradun visited the VPHE Project on 09.01.2017 & 10.01.2017.</p> <p>b) Dr. S. C. Garkoti, Advisor, MoEF&CC, New Delhi along with Dr. S. C. Katiyar, Addl. Director (S), MoEF&CC, North Central Regional Office, Dehradun has visited the VPHEP site on 02.08.2017 & 03.08.2017.</p> <p>c) Dr. S.C. Katiyar, Addl. Director (S), MoEF&CC, North Central Regional Office, Dehradun has visited the VPHE Project on 28.07.2018.</p> <p>d) Sh. Pankaj Agarwal, Addl. PCCF and Dr. S. C. Katiyar, Addl. Director, MoEF&CC, Regional Office, Dehradun has visited the VPHE Project on 11-12 Nov 2018.</p> <p>e) Dr. Krishnendu Mondal, Scientist – C, MoEF&CC, Regional Office, Dehradun has visited the VPHEP Project on 12-13 Oct’ 2020.</p> <p>f) Dr. Krishnendu Mondal, Dy. Director, MoEF&CC, Regional Office, Dehradun has visited the VPHEP Project on 07-08 Nov’ 2022.</p> <p>g) Dr. Vipin Gupta, Scientist-B, MoEF&CC, Regional Office, Dehradun has visited the Project Site on 12-13 June’ 2023.</p>
5.	The responsibility of implementation of environmental safeguards rests fully with the THDC Ltd. & Government of Uttarakhand.	THDCIL ensures Implementation of environmental safeguards as applicable.
6.	In case of change in the scope of the project, project would require a fresh appraisal.	There is no change in Project Scope.
EC validity Extension vide MoEF&CC Letter Dated: 25.04.2018		
1.	The project proponent (PP) should ascertain that there shall not be any wash off during the rainy season beyond the retaining wall, PP should monitor the silt flow at the downstream and upstream of the river during monsoon season. Similarly, PP should provide adequate width having	<p>Retaining structure of suitable load bearing capacity has been developed at each dumping sites, so that there shall not be any wash off during rainy season.</p> <p>Terraces at dumpyards has been developed and benches are being developed to discontinue the slopes in dumpyards.</p> <p>Also, to control silt wash off Biological measures such as formation of Micro –benches (kyaries), laying of top soil, plantation of vetivar grass, manuring etc. are also being</p>

	intermittent retaining bunds so that silt is collected at the retaining bunds during rainy season and silt is let out in to the river.	undertaken at site. Project is taking several initiatives to stabilize the DY through biological measures. 200 plants sapling were planted in the DY-4 on 17.07.2024 and large quantity of milky grass seeds were spread and sown in dump yards and slopes for greenery and stabilization of the DY's.
2.	The PP should opine that as and when any active dumps/muck disposal sites are getting inactive, intermediate measures like both engineering and biological to be carried-out so that no silt is going into the downstream of the river.	Benches are being developed to discontinue the slopes in dumpyards. Engineering measures such as construction of gabion faced reinforced earth wall with uniaxial geo-grid reinforcement are adopted at dumping site. Biological measures such as formation of Micro-benches (kyaries), laying of top soil, plantation of vetivar grass, manuring etc. are also being undertaken at site for slope stabilization. Plantation of Vetivar (<i>Chrysopogon Zizanioides</i>) in approx. 15,000 sqm. area has been completed till September' 2024 at DY- 4. For Biological measures at Muck dumping sites, plantation of local plant species (such as Ghingaru, Hinsalu, Nirgundi, Kilmoda, Kingod, etc) will also be done along with Vetiver Grass as suggested during the 1st meeting of the monitoring cell constituted by Hon'ble NGT under the chairmanship of Chief Secretary, GoUK held on 19.01.2023. Project is taking several initiatives to stabilize the DY through biological measures. 200 plants sapling were planted in the DY-4 on 17.07.2024 and large quantity of milky grass seeds were spread and sown in dump yards and slopes for greenery and stabilization of the DY's.
3.	The PP should ensure that in case of generation of any top soil, a site exclusively for topsoil dumping and also make commitment that collection of topsoil and prevention of the same be made so that nutrient value of the soil is retained and utilized subsequently at the time of plantation, reclamation of muck dumps, etc.	Necessary provision has been made and same is being complied with. Topsoil generated from different sites, if any, is being used for biological stabilization measures at Dumping site.
4.	There should be benching of dumps of appropriate height and stabilization of slopes so that spoils of muck etc. are	Benches are being developed to discontinue the slopes in dump yards. Engineering measures such as construction of gabion faced reinforced earth wall with uniaxial geo-grid reinforcement are adopted at dumping site.

	not created during rainy season. In critical areas, use of geo-textile along the slopes and provision of garland drains on the toe of dumps are to be provided for better stabilization and biological measures. This has to be strictly adhered to.	
5.	All the terms and conditions of the Environmental Clearance stipulated in Letter J-12011/29/2007-IA.I dated 22.08.2007, 18.01.2008 and 30.11.2011 remains unchanged.	Details of the same are provided above.

Environment Clearance (EC) conditions of VPHEP granted by MoEF&CC vide letter dtd. 26.08.2021

Additional Terms & Conditions		
S.No.	Brief Description of conditions	Status as on September' 2024
i.	The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP report. The budgetary provisions for implementation of EMP, shall be fully utilized and not to be diverted to any other purpose. In case of revision of the Project cost or due to price level change, the cost of EMP shall also be updated proportionately.	The Environmental Management Plan (EMP) will be strictly adhered to as submitted in the EIA/EMP report. The Budgetary provisions for implementation of EMP shall not be diverted for any other purpose and cost of EMP shall be revised proportionately in case of revision of Project Cost or due to price level change. Revised Budget Provisions of Rupees 109.53 Crores in EMP of July' 2021 have been earmarked towards implementation of Environment Management Plan (EMP) by Project.

ii.	Environment matrix provided in EMP be revised if any data change. Number and period of stocking of Fish be incorporated in EMP.	Environment matrix provided in EMP shall be revised if any data change occurs. Fish Management Plan has been prepared through Indian Council of Agricultural Research – Directorate of Coldwater Fisheries Research (ICAR-DCFR), Bhimtal as per the recommendations of the Wildlife Institute of India, Dehradun. The stocking details have been included in the Fish Management Plan for VPHEP prepared by ICAR-DCFR, Bhimtal.
iii.	Separate budget shall be allocated for Fish Hatcheries and Herbal and the same shall be implement in stipulated time period.	Separate Budget is allocated for Fish Management Plan & Herbal Garden. Fish Management Plan has been prepared through ICAR-DCFR as per the recommendations of the Wildlife Institute of India, Dehradun. In the EMP 2007, the Budget provisions for Fisheries Management was 65 Lakhs, which has been revised to 429 Lakhs in the EMP 2021, out of which 279 Lakhs has already been incurred till now. Based on recommendations of Herbal Research and Development Institute, Mandal, Gopeshwar (a nodal agency of Uttarakhand Medicinal Plant Board), a Herbal Garden has been already developed in the project over an area of 1800 sqm. approx. Approx. Rs. 21.84 lakhs have been incurred on various works related to the development of the Herbal Garden. Medicinal plants like Harad (Terminalia Chebula), Lemon Grass (Cymbogogonfelxuosus), Sarp Gandha (RauvolfiaSerpentiina), Aloe Vera etc. planted. Also, two nos. dedicated manpower/gardener has been deployed for the maintenance of Herbal Garden.
iv.	The contract clause limiting the No. of vehicles used during excavation and transportation shall followed scrupulously and the same shall informed to the ministry.	After careful assessment of requirements, optimum number of vehicles required for excavation and transportation are being deployed at site.
v.	Pasture Development Plan be revised in terms of Rate of plantation and their Cost.	Pasture Development Plan has not been envisaged under the EMP. However, The Pasture Development plan, Social Forestry works and Fuel wood and fodder related works are being implemented as per the Catchment Area Treatment Plan prepared and implemented by Forest Department. The

		<p>budget allocated for the CAT plan i.e., 4700 Lakhs has already been submitted to CAMPA Fund.</p> <p>Further, for loss of Fuel & Fodder, PAFs are being compensated with the Fuel & Fodder grant. Each entitled house hold in the affected habitation is being paid 100 days of Minimum Agriculture Wages per year for a period of 5 yrs. On the recommendations of the World Bank, THDCIL has increased disbursement of Fuel & Fodder Grants from 5 years to 8 years. The amount is paid as a grant / assistance towards the loss of fuel and fodder. Around 2600 households are getting benefited through this assistance.</p>
vi.	After 5 years of the Commissioning of the Project, a study shall be undertaken regarding impact of the Project on the Environment. The study shall be undertaken by an independent agency.	As stipulated, study to be conducted after 5 years of commissioning of Project.
vii.	Geological changes or Catastrophic event within 10km region, every two-year data shall be submitted to RO, MoEF&CC. The same shall be obtained from Geological Survey of India. If any major events which can affect the Dam, Management plan shall be prepared and submit to the RO, MoEF&CC.	The Report regarding Geological changes or Catastrophic event within 10 km region for the past 4 years has been obtained from Geological Survey of India on 01.08.2023.
viii.	Solid waste generated, especially plastic waste, etc. should not be disposed off as landfill material. It should be treated with scientific approach and recycled. Use of single-use plastics may be discouraged.	<p>Solid Waste, Hazardous/E-waste/others are being disposed-off as per prevalent rules and regulation of MoEF&CC, CPCB etc.</p> <p>The Hazardous/E-waste/Biomedical waste generated at site is handed over to authorized agency for safe disposal and recycling.</p> <p>Necessary infrastructure facility for Solid Waste Management has been constructed in the Project Colony. Solid waste generated is safely collected and handed over to Nagar Panchayat, Pipalkoti for safe disposal.</p> <p>At construction sites and labour camps, separate bins are placed for biodegradable and non-biodegradable Solid waste. The waste so collected is handed over to Nagar Panchayat (Joshimath) at Dam Site and Nagar Panchayat (Pipalkoti) at Power House Site.</p>

		<p>Additionally, 01 nos. mini truck has been procured through SEWA-THDC and donated to Nagar Panchayat, Pipalkoti for collection of Solid waste. Meeting was done with Executive Officer in charge of the Nagar Panchayat to discuss safe disposal of waste at Pipalkoti. Initiatives like replacing plastic water bottle with reusable Glass bottles in meetings have been implemented at Project. Ban of Single use plastic– VPHEP has been declared zero plastic zone on 05.06.2023 i.e., Environment Day.</p>
ix.	<p>PP shall ensure the Ambient Air Quality Monitoring Stations for real time data display and regularly submit to respective RO, MoEF&CC.</p>	<p>Sensor based AQMS with real time data display has been successfully established at VPHEP office complex and the recent months data is attached under Annexure A-2: Environment Monitoring Reports.</p>
x.	<p>Land acquired for the Project shall be suitably compensated in accordance with the law of the land with the prevailing guidelines. Private land shall be acquired as per provisions of Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013.</p>	<p>No new Land is being acquired for the Project.</p> <p>Land Compensation as assessed & decided by Land Acquisition Officer is being disbursed through Special Land Acquisition Officer (SLAO) in accordance to the provisions of LA Act. About 95% PAF's have received payment from SLAO.</p> <p>Besides SLAO Payment, Project is extending various other benefits to the Project Affected Families in accordance to the R&R Policy of Project, framed based on NRRP-2007 & considering the World Bank Operational Policy.</p> <p>The Affected Families are getting cash benefits in the form of various Grants.</p> <p>Apart from above, Project is complying with the other Social Obligation as well.</p>
xi.	<p>PP shall procure construction material only from those Organizations having all valid legal/statutory clearances/permissions or necessary permission to be obtained for quarrying construction materials for</p>	<p>The same is being complied as per rules and regulation stipulated in EIA Notification, 2006 and as amended thereof.</p>

	the Project as per the EIA Notification, 2006 and as amended thereof.	
xii.	An institutional mechanism to be developed to ensure the preference of jobs to PAFs and also a policy for preferential treatment for award of sundry works to the PAFs and their dependents.	<p>THDCIL has formulated a Rehabilitation & Resettlement policy (R&R Policy) for the Vishnugad Pipalkoti Hydro Electric Project. The Policy is based on the National Rehabilitation & Resettlement Policy 2007 (NRRP-2007) incorporating the better features considering the World Bank Guidelines. The Policy addresses the R&R issues through proactive approach and appropriate Planning on Land Acquisition. Besides disbursement of compensation by Special Land Acquisition Officer (SLAO), the Policy envisages provisions of grants and other benefits considering the categories and the Entitlements.</p> <p>An institutional mechanism has already been identified in the R&R Policy of VPHEP as under: “Employment opportunity, if any, 100% recruitment at the level of workman (including technical & ministerial) required to be done will be done first from the land oustees & in case of non-availability of suitable candidate among the land oustees, the recruitment will be done from other residents of Uttarakhand state, whose names are registered on live register of any employment”.</p> <p>In addition, other provisions for economic/employment opportunities have been done as under:</p> <ol style="list-style-type: none"> i. Employment with contracting agencies. ii. Allotment of shops/kiosk. iii. Award of petty contracts. iv. Vehicle hiring. v. PCO/Internet kiosk. vi. Newspaper vendors. vii. Any other opportunity deemed fit by the project. <p>Till date, 20 PAP’s have been provided with permanent employment in THDCIL. In addition, around 3000 persons have been provided direct / in direct employment opportunities in main project construction company and through other modes as mentioned above.</p>

xiii.	Necessary control measures such as water sprinkling arrangements, and construction of paved roads leading to Muck disposal sites etc. shall be taken up on priority to arrest fugitive dust at all the construction sites.	Water Sprinkling is being done on regular basis to control fugitive dust emission at all the construction sites.
xiv.	Stabilization of Muck disposal sites using biological and engineering measures shall be taken up immediately to ensure that Muck does not roll down the slopes and shall be disposed safely and that it does not pollute the natural streams and water bodies in surrounding area. Report of the same to be submitted to Ministry and its Regional office.	<p>Dumping of muck is being done at designated / identified area & well above the high flood level.</p> <p>Engineering measures such as construction of gabion faced reinforced earth wall with uniaxial geo-grid reinforcement are adopted at dumping site. Benches are being developed to discontinue the slopes in dumpyards.</p> <p>Biological measures such as formation of Micro-benches (kyaries), laying of top soil, plantation of vetivar grass, manuring etc. are also being undertaken at site for slope stabilization. Plantation of Vetivar (<i>Chrysopogon Zizanioides</i>) in approx. 15,000 sqm.area has been completed till September 2024 at DY- 4.</p> <p>For Biological measures at Muck dumping sites, plantation of local plant species (such as Ghingar, Hinsalu, Nirgundi, Kilmoda, Kingod, etc) will also be done along with Vetiver Grass as suggested during the 1st meeting of the monitoring cell constituted by Hon'ble NGT under the chairmanship of Chief Secretary, GoUK held on 19.01.2023.</p> <p>Project is taking several initiatives to stabilize the DY through biological measures. 200 plants sapling were planted in the DY-4 on 17.07.2024 and large quantity of milky grass seeds were spread and sown in dump yards and slopes for greenery and stabilization of the DY's.</p>
xv.	A multi-specialty hospital to cater the need of people living within 10 km radius of the Project shall be established.	The matter was discussed with District Administration for establishing multi-Specialty hospital. The District Magistrate, Chamoli has suggested to up-grade / adopt the District Hospital, Gopeshwar which will cater the need of all the people living in the Chamoli District. District Hospital is located at district headquarter in Gopeshwar Town of Chamoli District. The District Hospital is located within the 9 km radius of the project boundary.

		<p>After various levels of discussions with District Authorities in this regard, CMO Chamoli, vide Letter dtd. 01.01.2022, has requested to take up the work of construction of a new building on the land available on the left side of the main building of the District Hospital, Gopeshwar, Chamoli. The proposed new structure envisages construction of Registration Room and User Charges Room on Ground Floor, Laboratory on 1st Floor and District Drug store on 2nd Floor.</p> <p>A MoU has been signed on 17.12.2022 between THDC India Ltd. and Chief Medical Officer, District Chamoli, Gopeshwar for a total amount of Rs. 155.42 Lakhs (including taxes for construction of the new building at District Hospital Gopeshwar and 1st installment of 15% of total MoU value of Rs. 19.79 Lakhs has been released to CMO Chamoli on 24.03.2023 and 2nd instalment of 25% of total MoU value of Rs. 32.98 Lakhs has been released to CMO Chamoli on 21.05.2024 and the executing agency submitted the physical progress report and 82% work has been executed till September 2024.</p> <p>In addition, a dispensary is already operational at VPHEP comprising of proper medical staff viz. Doctor, Nurse, Para-Medical staff, Dresser, 02 nos. ambulance etc. in place. The Medical Facilities are being extended free of cost among Project Affected People including population from nearby villages as well. A well-equipped pathology lab has also been started in the dispensary to support health checkup.</p>
xvi.	Solar lights for illumination along with associated Solar panels to be provided to the families living in rural areas within 10 km radius of Project.	The VPHEP Project has already installed 240 Nos. of Solar lights to the PAFs & surrounding areas of the project under the Community Development.
xvii.	The e-flow shall continue to be released as per the previous EC granted to the Project.	MEFR shall be ensured as per latest Gazette Notification dtd. 10.10.2018 of MoWR, RD&GR, GoI.
xviii.	Computer labs with internet facility shall be established in primary schools within 10 km radius of Project.	The VPHEP Project has engaged an expert Agency M/s MRIDA Energy & Development Pvt. Ltd, New Delhi towards the work “Engagement of Specialized Agency to help Prepare Livelihood Development / Employment Generation Plan & its Implementation in relation to VPHEP” for supporting Livelihood Development / Employment Generation in the Project Affected

villages. The aim of the work was to conduct Pilot Projects on the ground, showcasing successful examples of rural entrepreneurship where Project Affected Persons could generate their own livelihood and income opportunities, and become job creators as against job seekers. The Pilot ranged from low investment agricultural interventions to be carried out in large numbers, to medium investment interventions like poly houses and bee keeping which would be more visible and generate higher returns, to group / community level interventions like Development Hubs (Computer Centre) impacting larger numbers of Project Affected Persons.

The Development Hub will also act as computer training centers for the youth from the PAFs also, leveraging the strength of the computer literacy of the Village Level Entrepreneurs (VLEs) and these centres. Since the agreement with the M/s Mrida has been completed, THDC has launched its own livelihood initiative name “Nayi Udaan” under that one computer training centre has been established near the market area. The computer training centre is a physical space that provides access to Digital services, Online services, Banking services, E-citizen services, and skill development services all under one roof. The development initiative will enable community members to access all services in one location, saving money and time both. The computer training centre facilitates digital connectivity, fosters the development of digital skills and promotes the adoption of emerging digital technologies.

For distribution of Computers and other necessary items, need based assessment in the nearby Govt. schools has been conducted by Project team. The core elements of the project strategy are a) promote entrepreneurship amongst individuals / groups b) ensure financial and personal commitment from intended beneficiaries c) a holistic approach to sustainable livelihoods, including market linkages d) ensure convergence with Government schemes and incentives to maximize project outlay as well as impact e) showcase successful entrepreneurs through Pilot Projects, establish pockets of excellence, and create Brand Ambassadors who will facilitate scaling up of successful interventions as well as impact. The contract was completed on 26.01.2023. Benefits under the Livelihood Development/Employment Creation

		<p>Plan are regularly provided to the project affected individuals through these pilot initiatives.</p> <p>16 computers have been distributed to nearby 15 primary and upper primary schools in the District Chamoli.</p>
xix.	<p>Sport complex with multi - sport facility shall be established. The children's from economically weaker section shall be given free of cost sport facility.</p>	<p>The VPHEP Project is situated in Chamoli District which is located in Hilly Terrain of state Uttarakhand. The Hilly terrains are land constraint area where Land is not easily available for Infrastructure Development. The Project is also located at Land constraint terrain.</p> <p>After completion of Muck Dumping at Dump yard near Project Colony, an open space with Terrace will be available. The same Terrace will be developed for creating necessary Infrastructure for Multi-Sports complex and shall be opened for the Local Population. In the meantime, a Club with Volleyball Court, already developed at the Project site Colony shall remain available for the Local Population.</p>
xx.	<p>A time bound action plan for compliance of each of the above condition will be submitted to RO, MoEF&CC within 3 months.</p>	<p>A time bound action plan for compliance of each of the above condition has been has been submitted to MoEF&CC vide letter dtd. 26.11.2021.</p>
xxi.	<p>Observations raised by RO, MoEF&CC in certified compliance report shall be complied with and if not done in stipulated time/ before commencement of Project, Environmental Clearance will be withdrawn.</p>	<p>Currently, no observations have been raised by RO, MoEF&CC.</p>
xxii.	<p>The Multi-Disciplinary Committee needs to be reconstituted and the meeting needs to be held at regular interval</p>	<p>Based on the suggestions of the Additional Director, MoEF&CC R.O. Dehradun (Jan 2017 visit), the Multi-Disciplinary Committee has been re-constituted vide MoEF&CC letter no. J-12011/29/2007-IA-1 dated 10.10.2017.</p>
xxiii.	<p>PP should establish in house Project Environment laboratory for measurement of Environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee Environment management shall be setup which should comprise of Environment Engineers,</p>	<p>At present, the Environment Monitoring at Project site is being conducted on regular basis by external authorized agencies.</p> <p>The Project has procured the following instruments for environment monitoring at site: DO meter, Noise Meter, Turbidity Meter, PH meter and Vibration meter. The environment monitoring lab shall be in functioning soon</p>

	Laboratory chemist and (at site) Environment laboratory staff for monitoring of air, water quality parameters on routine basis.	at the Project and will be further strengthened for effective environment monitoring at site.
xxiv.	All the specific conditions mentioned in the EC dated 22nd August 2007 shall be complied within stipulated time.	The conditions laid down letter J-12011/29/2007-IA.I dated 22.08.2007 is being fully complied and status of same are provided above.

Standard EC Conditions for River Valley and Hydro-electric projects

I. Statutory compliance:

i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non- forest purpose involved in the project.	The Forest Clearance for the Project has been granted by MoEF&CC on 28.05.2013 and GO from GoUK has been issued on 06.12.2013.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	The Wildlife Clearance form NBWL has been granted on 20.12.2012.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six- monthly compliance reports. (in case of the presence of schedule-I species in the study area)	<ul style="list-style-type: none"> ● The Wildlife Management Plan has already been incorporated under the Catchment Area Treatment (CAT) Plan of the VPHEP. The DPR of CAT Plan of VPHEP was prepared by the State Forest Department, Uttarakhand and has been approved by PCCF, Uttarakhand. Total amount of Rs. 47 Crs. for implementation of CAT Plan has been deposited by THDCIL in CAMPA Fund. ● The Compensatory Afforestation Plan & Catchment Area Treatment Plan is being implemented by State Forest Deptt., Uttarakhand. The Project does not fall under Core & Buffer Zone. ● For Wildlife Protection, various additional measures have been undertaken at the Project. The details are as follows: ● Two (02) nos. Watch Towers has been installed at identified locations in consultation with Forest Deptt. at Powerhouse and TBM sites nearby the boundary of KWLS.

		<ul style="list-style-type: none"> ● 10 (Ten) nos. Camera Traps were procured on the recommendation of E&S panel. Out of which,08 nos. Camera Traps handed over to Forest Department (Nanda Devi National Park) for installation in NDBR on 20.03.2018 and has been installed in NDBR by Forest Department at appropriate location. Balance 02 nos. of Camera Traps has been handed over to Forest officials on 12.06.2019. ● Controlled Blasting techniques are being practiced and the same is being monitored by construction contractor through Central Institute of Mining & Fuel Research (CIMFR), Roorkee. ● A cleanliness campaign was organized at VPHEP as part of the Swachhta Hi Seva programme, which was held on October 1, 2023, at the VPHEP office complex. ● The Swachhta Pakhwada was successfully organized from 16 May 2024 to 31st May 2024 at the under-construction VPHEP project of THDC India Limited, Pipalkoti. A plantation drive along with an awareness program was organized on the occasion of World Environment Day, 5 June, 2024 in the project premises on the theme of “Land restoration, desertification and drought resilience”. ● Awareness Programs are being organized from time to time. ● Contractor has also established residential accommodation with Community mess for its workers to avoid possibility of felling of trees and restrict movement of labour in the Forest. Approx. 14,365 nos. Commercial LPG Cylinders have been utilized in the Community Mess up to September’ 2024.
iv.	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act , 1981 and the Water (Prevention & Control of Pollution)	The CTE from UKPCB has been granted from 10.04.2007.

	Act, 1974 from the concerned State pollution Control Board/ Committee.	
v.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.	NOC from National Commission of Seismic Design parameters (NCSDP) have already been obtained vide letter No CWC/2/2/2008/FE&SA/425 dated 04.05.2008.
vi.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore.	The approval from CEA has already been obtained vide letter dated 21.09.2006.

II. Air quality monitoring and preservation

(i)	Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA/ Monitoring purposes.	M/s PCRI-BHEL, Haridwar and M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana recognized by MoEF&CC has been engaged to monitor the Environmental Parameters that includes Noise as well. The monitoring is being conducted at regular intervals as stipulated. The last set of monitoring was conducted through M/s PCRI-BHEL, Haridwar in March' 2024 & M/s Arihant Analytical Laboratory Pvt. Ltd. during September' 2024. Reports have been received and all parameters are within permissible limit. Also, for Third Party Monitoring of EMP, M/s WAPCOS (a PSU) has been engaged. The fourth half yearly monitoring report from July' 2023 to December 2023' and fifth half yearly monitoring report from January' 2024 to June 2024' have been received and are under review and finalization. Monitoring is under progress.
(ii)	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.	The PUC certificate for the Light, Heavy Vehicles including for hired one and other construction equipment are being undertaken as per prevailing Guidelines, Rules and acts & renewed from time to time by the contractor. Water Sprinkling is being done on regular basis to control fugitive dust emission at all the construction sites. Also, ventilation has been provided in the Underground areas by the contractor.
(iii)	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Water Sprinkling is being done on regular basis to control fugitive dust emission at all the construction sites.

III. Water quality monitoring and preservation

(i)	Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system.	Not applicable
(ii)	Remodelling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector tor drains, etc. are to be ensured on priority basis.	Not applicable
(iii)	Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.	A concrete cofferdam is constructed for diverting the water at upstream of Dam. No cofferdam has been constructed the downstream of the river. During the commissioning of the Project, the part of Cofferdam at Dam site will be decommissioned without any adverse impact on the water environment.
(iv)	As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project	The reservoir of VPHEP project shall be fluctuating between EL 1267 m to 1252.5 m after the commissioning of Project. Moreover, E-Flow shall be maintained vide Gazette Notification dtd.10.10.2018 of MoWR, RD&GR for reducing the impacts on the aquatic life.
(v)	Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF&CC and to the CWC on weekly basis.	The reservoir of VPHEP project shall be fluctuating between EL 1267 m to 1252.5 m after the commissioning of Project. Moreover, E-Flow shall be maintained vide Gazette Notification dtd.10.10.2018 of MoWR, RD&GR for the reducing the impacts on the aquatic life.
(vi)	Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.	Not applicable

(vii)	On Farm Development (OFD) works like landscaping, land levelling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/ EMP report	Not applicable
IV. Noise monitoring and prevention		
(i)	All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.	<p>The PUC certificate for the Light, Heavy Vehicles including for hired one and other construction equipment are being undertaken as per prevailing Guidelines, Rules and acts & renewed from time to time.</p> <p>The controlled blasting is being undertaken involving non electric delay detonation technique.</p> <p>Blasting is done during day time at pre-notified time only. Blast pattern & vibration is monitored by Central Institute of Mining and Fuel Research (CIMFR), Roorkee. No blasting is done during night & no disturbance is created for wild life habitat.</p> <p>M/s PCRI-BHEL, Haridwar and M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana recognized by MoEF&CC has been engaged to monitor the Environmental Parameters that includes Noise as well. The monitoring is being conducted at regular intervals as stipulated. The last set of monitoring was conducted through M/s PCRI-BHEL, Haridwar in the month of March' 2024 & M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana during September' 2024. Reports have been received and all parameters are within permissible limit.</p> <p>Also, for Third Party Monitoring of EMP, M/s WAPCOS (a PSU) has been engaged. The fourth half yearly monitoring report from July' 2023 to December 2023' and fifth half yearly monitoring report from January' 2024 to</p>

		June 2024' have been received and are under review and finalization. Monitoring is under progress.
(ii)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	<p>M/s PCRI-BHEL, Haridwar and M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana recognized by MoEF&CC has been engaged to monitor the Environmental Parameters that includes Noise as well. The monitoring is being conducted at regular intervals as stipulated. The last set of monitoring was conducted through M/s PCRI-BHEL, Haridwar in the month of March' 2024 & M/s Arihant Analytical Laboratory Pvt. Ltd., Sonipat, Haryana during September' 2024. Reports have been received and all parameters are within permissible limit.</p> <p>Also, for Third Party Monitoring of EMP, M/s WAPCOS (a PSU) has been engaged. The fourth half yearly monitoring report from July' 2023 to December 2023' and fifth half yearly monitoring report from January' 2024 to June 2024' have been received and are under review and finalization. Monitoring is under progress.</p>
V. Catchment Area Treatment Plan		
(i)	Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.	<p>Total Implementation value for CAT is Rs. 47 Crs., the total amount of Rs. 47 Crs stands deposited by THDCIL in CAMPA fund. DFO, Badrinath Forest Division is the Nodal Officer for CAT Plan. DPR for CAT along with micro plans has been approved during December 2017.</p> <p>Forest Deptt. is executing activities as per approved DPR. Out of total 47 Crs., expenditure of Rs. 44.74 Cr (approx.) has been made by Forest Deptt. till May' 2024 under CAT Plan of VPHEP. The present status of expenditure against CAT Plan of VPHEP upto September' 2024 is requested from the forest department.</p> <p>Matter was also discussed in the 4th meeting of Multi-Disciplinary Committee constituted by MoEF&CC, New Delhi under the chairmanship of PCCF-HoFF, GoUK held on 22.08.2022 at Van Bhawan, Dehradun.</p> <p>The Chairman - MDC, PCCF-HoFF, has directed the concerned Forest officials to take all-out efforts to for early completion of these activities.</p> <p>DFO Badrinath, Nodal Officer has been requested for earliest completion of</p>

works under CAT Plan of VPHEP.

VI. Waste management

(i)	<p>Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.</p>	<p>Dumping of muck is being done at designated / identified area & well above the high flood level.</p> <p>Engineering measures such as construction of gabion faced reinforced earth wall with uniaxial geo-grid reinforcement are adopted at dumping site. Benches are being developed to discontinue the slopes in dumpyards.</p> <p>Biological measures such as formation of Micro-benches (kyaries), laying of top soil, plantation of vetivar grass, manuring etc. are also being undertaken at site for slope stabilization. Plantation of Vetivar (<i>Chrysopogon Zizanioides</i>) in approx. 15,000 sqm. area has been completed till September' 2024 at DY- 4.</p> <p>For Biological measures at Muck dumping sites, plantation of local plant species (such as Ghingaru, Hinsalu, Nirgundi, Kilmoda, Kingod, etc) will also be done along with Vetiver Grass as suggested during the 1st meeting of the monitoring cell constituted by Hon'ble NGT under the chairmanship of Chief Secretary, GoUK held on 19.01.2023.</p> <p>Project is taking several initiatives to stabilize the DY through biological measures. 200 plants sapling were planted in the DY-4 on 17.07.2024 and large quantity of milky grass seeds were spread and sown in dump yards and slopes for greenery and stabilization of the DY's.</p>
(ii)	<p>Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.</p>	<p>Solid Waste, Hazardous/E-waste/others are being disposed-off as per prevalent rules and regulation of MoEF&CC, CPCB etc.</p> <p>The Hazardous/E-waste/Biomedical waste generated at site is handed over to authorized agency for safe disposal and recycling.</p> <p>Necessary infrastructure facility for Solid Waste Management has been constructed in the Project Colony. Solid waste generated is safely collected and handed over to Nagar Panchayat, Pipalkoti for safe disposal.</p> <p>At construction sites and labour camps, separate bins are placed for biodegradable and non-biodegradable Solid waste. The waste so collected is handed over to Nagar Panchayat (Joshimath) at Dam Site and Nagar Panchayat (Pipalkoti) at Power House Site.</p>

		<p>Additionally, 01 nos. mini-truck has been procured through SEWA-THDC and donated to Nagar Panchayat, Pipalkoti for collection of Solid waste.</p> <p>Meeting was done with Executive Officer in charge of the Nagar Panchayat to discuss safe disposal of waste at Pipalkoti. Initiatives like replacing plastic water bottle with reusable Glass bottles in meetings have been implemented at Project. Ban of Single use plastic – VPHEP has been declared zero plastic zone on 05.06.2023 i.e., World Environment Day.</p>
VII. Green Belt, EMP Cost, Fisheries and Wildlife Management		
(i)	Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.	MEFR shall be ensured after commissioning of the Project as per latest Gazette Notification dtd. 10.10.2018 of MoWR,RD&GR, GoI.
(ii)	Detailed information on species composition particular to fish species from previous study/literature be inventorized and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.	<p>The Fish Management Plan for VPHEP has been prepared through Indian Council of Agricultural Research – Directorate of Coldwater Fisheries Research (ICAR-DCFR), Bhimtal as per the recommendations of the Wildlife Institute of India, Dehradun.</p> <p>Based on the findings of the survey/primary data, construction of Fish Hatchery has been recommended by ICAR-DCFR under the Fish Management Plan.</p> <p>In the EMP 2007, the Budget provisions for Fisheries Management was 65 Lakhs, which has been revised to 429 Lakhs in the EMP 2021, out of which 279 Lakhs has already been incurred till now.</p>
(iii)	Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.	The Project does not fall under Core & Buffer zone.
(iv)	To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with	Green Belt Development has been implemented under the Consultancy of noted Environmentalist Sh. Jagat Singh Chaudhary alias “Junglee” and with the help of State Forest Deptt. Broad-Leaved, Fast-Growing plant species have also been planted as suggested by “Jungli Ji” and Forest Deptt.

	local indigenous species in consultation with the local State Forest Department.	Till September' 2024, cumulatively 9150 nos. (approx.) trees are planted. Maintenance of plants is being done regularly.
(v)	Compensatory afforestation programme shall be implemented as per the plan approved.	Compensatory Afforestation and other works (Roadside Plantation, construction of 4 feet high pillar etc.) is being done by the State Forest Department, GoUK. Requisite funds have already been deposited by THDCIL in CAMPA. However, the funds yet to be released by the CAMPA to the concerned Forest Deptt. THDCIL is continuously pursuing the issue with Senior Forest Officials at Dehradun and at Divisional Level. The 48 Ha land stands diverted for CA works and Forest Dept. has informed that the plantation works have been completed. Till December' 23 Compensatory Afforestation works in 105.583 Ha area has been completed out of 120.27 Ha by State Forest Department. The present status of Compensatory Afforestation works up to September' 2024 is requested from the forest department.
(vi)	Fish ladder /pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness.	The Fish Management Plan for VPHEP has been prepared through Indian Council of Agricultural Research – Directorate of Coldwater Fisheries Research (ICAR-DCFR), Bhimtal. Based on the findings of the survey/primary data, construction of Fish Hatchery has been recommended by ICAR-DCFR under the Fish Management Plan as Fish Ladder / pass was not found feasible.
VIII. Public hearing and Human health issues		
(i)	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.	Land Compensation as assessed & decided by Land Acquisition Officer is being disbursed through Special Land Acquisition Officer (SLAO) in accordance to the provisions of LA Act. About 95% PAF's have received payment from SLAO. Besides SLAO Payment, Project is extending various other benefits to the Project Affected Families in accordance to the R&R Policy of Project, framed based on NRRP-2007 & considering the World Bank Operational Policy. The Affected Families are getting cash benefits in the form of various Grants.

		Apart from above, Project is complying with the Social Obligation details are annexed at Annexure A-1 .
(ii)	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.	The budget provision of Rs 1930 Lakh is already earmarked under Corporate Environment Responsibility. Social Obligation details are annexed at Annexure A-1 .
(iii)	Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases	Shall be complied with.
(iv)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Contractor has established residential accommodation/camps with Toilets, bathrooms, drinking water & Community mess for its workers. Septic cum Soak pit tank have also been constructed at camp sites for safe disposal of sewage. First Aid centers with Para-medical staff have been established by the contractor at all work sites with Ambulance facility.
(v)	Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.	Pre-Employment Medical checkup is undertaken before induction and issuing Work Permit to the labours. Also, Medical examination & vaccination of workmen is done from time to time. Treatment as & when required is also administered.
(vi)	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	In the U/s of VPHEP, NTPC has already been installed EFWS (Early Flood Warning System) at Tapovan Vishnugad HEP. The EFWS Installation work has been completed by NTPC & is now functioning. VPHEP is being connected with NTPC Control Room Joshimath via Satellite/Mobile Phones. 3 no. Satellite Phones are working at Dam site, Power House/ Administrative Block and TRT Outfall and their respective numbers has been shared with NTPC officials for 24*7 communication for any Emergency situation.

		<p>Letter of Award (LOA) has been issued to M/s Industrial Automation Logic Solution for Installation of Early Flood Warning System with date of start on 01.11.2024 at different location of upstream & downstream tributaries of river Alaknanda.</p> <p>Electric Manually operated Siren system has been installed to warn population of D/s of the Project at Dam site, Power house & TRT down-stream site and working properly.</p> <p>Caution/ warning sign boards have been displayed from Helang to Chamoli Market.</p>
(vii)	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis	Crisis and Disaster Management Plan is already prepared for the Project.
IX. Corporate Environment Responsibility		
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65 / 2017-IA. III dated 1st May, 2018, as applicable, regarding Corporate Environment Responsibility.	The provision of CER has been included under the EMP 2021 of VPHEP. The same shall be complied with.
(ii)	Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long-time livelihood generation.	Complied with. For details, please refer point no. xii of Additional Terms & Conditions.
(iii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined	The Environment Policy of THDCIL is already under place and is also displayed at THDCIL website. Website Link of the Environment Policy is as below: https://thdc.co.in/content/environment-policy

	system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
(iv)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	The THDCIL has placed a separate Environment Deptt. at Head quarter / Corporate office as well as at Project site. The Deptt. is headed by a General Manager level at Corporate Office who reports to the Management of the organization. At Project level the Deptt. is headed by General Manger level which reports to the Head of Project. Both the Deptts. has been deployed with well qualified professionals and staff.
(v)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.	The responsibility Matrix is already included in the EIA-EMP of the Project. The funds earmarked under EMP will not be diverted for any other purpose.
(vi)	Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	As stipulated, study to be conducted after 5 years of commissioning of Project.
(vii)	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various	Based on the suggestions of the Additional Director, MoEF&CC R.O. Dehradun (Jan 2017 visit), the Multi-Disciplinary Committee has been re-constituted vide MoEF&CC letter no. J-12011/29/2007-IA-1 dated 10.10.2017.

	environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.	<p>The 1st meeting of Multi-Disciplinary Committee under the chairmanship of PCCF-HoFF, GoUK held on 28.07.2018 at Project site.</p> <p>The 2nd meeting of Multi-Disciplinary Committee was held on 28.02.2020 under the chairmanship of PCCF-HOFF, GoUK at Van Bhawan Dehradun & 3rd meeting of Multi-Disciplinary Committee was held on 31.07.2021 under the chairmanship of PCCF-HOFF, GoUK at Van Bhawan. Dehradun.</p> <p>The 4th MDC meeting was held on 22.08.2022 under the chairmanship of PCCF-HoFF,GoUK at Van Bhawan, Dehradun.</p>
(viii)	Formation of Water User Association/ Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes	Not applicable
X. Miscellaneous		
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by 5 prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	<p>The EC has been published in two (02) local newspapers namely Amar Ujala & Hindustan on 01.09.2021. Details have been provided in the previous report.</p> <p>The EC of the Project has been uploaded on the website of THDCIL. The website link of the EC is as below: https://thdc.co.in/sites/default/files/EC_2021_0.pdf</p>
(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copy of EC has been distributed to DM, SDMs, DFOs and Heads of Local Bodies, Panchayats and Municipal Bodies. Details have been already provided in the earlier report.
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of	<p>Complied with.</p> <p>https://thdc.co.in/content/environment-monitoring</p>

	monitored data on their website and update the same on half-yearly basis.	
(iv)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied with.
(v)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	The Environment Statement for each Financial Year is being regularly submitted to UKPCB. Last Environment Statement (Form-V) for FY 2023-24 has been submitted to UKPCB vide letter dtd. 24.09.2024 and same is uploaded on company's website https://thdc.co.in/content/environment-monitoring
(vi)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	The Project is under active construction stage and is complying with all the stipulations / commitments / recommendations of the UKPCB, EIA-EMP as well as Public Hearing. Before commissioning of the Project, Ministry will be well informed including its RO.
(vii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)	No expansion / modifications of the Project is planned.

(viii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and shall be complied with.
(ix)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted.
(x)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Additional Conditions, if any, stipulated by the Ministry in the future shall be complied with.
(xi)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	Full cooperation and logistic support, as and when required, will be ensured by Project.
(xii)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment(Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted and complied with.
(xiii)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a	Appeal No. 21/2021 filed by Dr. Bharat Jhunjunwala before NGT on dated 08.10.2021.

	period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	Vide Order dtd. 16.08.2022, the Hon'ble Court has disposed-off the appeal and upheld the grant of EC of VPHEP and laid some additional conditions.
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ANNEXURE - IV

COMMITMENTS OF PROJECT DURING PUBLIC HEARING ON 09.01.2007

S. No	ISSUES RAISED	STATUS AS ON September' 2024
1	Negative impact on Environment due to Project's Activities shall not take place and provisions shall be made as per the standards and approval from competent level shall be obtained.	As per Environmental studies undertaken, no significant impacts have been noticed. However, EMP envisages precautionary measures to prevent occurrence of negative impacts and action is being taken accordingly.
2	Geological structures around the project area shall not be affected, In this regard, permission from concerned department shall be taken after Detailed investigations and implementation of recommendations shall be ensured.	<ul style="list-style-type: none"> ● Work is being undertaken only in areas where approval has been accorded by concerned authorities/agencies. ● No Incidence or deviation was noticed during the Reporting period ● Work in project area is done with due precautions such as mechanical excavation, controlled blasting, vibration monitoring etc.
3	Minimum water flow shall be ensured in river Alaknanda in such a way that the aquatic fauna is not adversely affected and also there is no impact on water quality.	MEFR shall be ensured as per the latest Gazette Notification dtd. 10.10.2018 of MoWR,RD&GR, GoI.
4	There shall be no negative impact on the Area's Forest resources, Flora, Fauna, and life style of the people, due to the Project's activities. In this regard, proper appropriate measures shall be taken and permission from concerned department shall be taken.	<ul style="list-style-type: none"> ● Environment Management measures are properly taken care off. Entry of the workforce is restricted in forest area. ● The contractor is running Community mess for workforce. ● Labors camps have been constructed at different locations and in isolation from local villagers. Meanwhile hired accommodation and community mess is being provided by contractor. ● Nevertheless, awareness programmes are being conducted to safeguard flora and fauna.
5	During all stages of Project, Local people shall be given job opportunities on priority basis.	<p>Based on the requirement, direct & indirect job opportunities are being extended among local people on a priority basis at THDCIL & Contractors Level.</p> <p>Employment opportunities includes:</p> <ul style="list-style-type: none"> ● Direct/Indirect job opportunities in THDCIL &

		<p>with Contractor</p> <ul style="list-style-type: none"> ● Award of petty Contracts ● Hiring of Vehicles ● Livelihood Activities <p>Details are indicated at Annexure-A1 under Employment.</p>
6	<p>Arrangements as per standards/policy shall be ensured for Project Affected Persons and Complete compensation of the acquired land shall be released to the concerned in time.</p>	<p>Land Compensation as assessed & decided by the Land Acquisition Officer is being disbursed through the Special Land Acquisition Officer (SLAO) in accordance with the provisions of the LA Act. About 95% PAFs have received payment from SLAO.</p> <p>Besides SLAO Payment, the Project is extending various other benefits to the Project Affected Families in accordance with the R&R Policy of Project, framed based on NRRP-2007 & considering the World Bank Operational Policy.</p> <p>The Affected Families are getting cash benefits in the form of various Grants. like Fuel & fodder, Widow assistance, etc. Also, VPHEP-THDCIL has employed 636 Project Affected Persons directly or indirectly and through Contractor HCC</p> <p>Apart from the above, the Project is complying with the Social Obligation & the details are as per Annexure-A1.</p>
7	<p>The explosives in construction-related activities shall be used only in avoidable situations in minimum required quantity.</p>	<ul style="list-style-type: none"> ● The explosive is used in avoidable situations only & in minimum quantity. ● The controlled blasting is being undertaken involving non-non-electric delay detonation technique ● Blasting is done during the daytime only and at pre-notified time. Blast pattern & vibration is monitored by the Central Institute of Mining and Fuel Research (CIMFR), Roorkee.
8	<p>Various facilities developed for the project shall be available for the people of the area and community development works shall be carried out in nearby villages.</p>	<p>Various facilities, awareness programs etc. under Community Development have been made available for the Project Affected Villages including surrounding villages that comprise of;</p> <p>Construction of Pathways, waiting shelters, Community buildings, Road widening, Hill side slope protection works, Solar Street lights for villages, furniture & sports kits for community, water supply schemes, Teaching aids & furniture to schools, Construction of additional</p>

		classrooms & toilets, promotion of sports & cultural activities, awareness camps on social & environmental aspects, health camps & awareness camps on HIV AIDS, Pulse Polio etc. New awareness drive regarding Menstrual Hygiene and gender sensitization named “Saheli” is initiated by THDCIL during 2022-23. This drive covered all 27 project affected villages along with 7 schools. As of now more than 1500 women and girls benefitted through our awareness drive. Saheli has achieved the set target and will continue to benefit the girls and women of the project-affected villages and schools through awareness drives in the future.
9	A Comprehensive Disaster Management Plan shall be prepared for the project and the recommendations of the Plan shall be complied.	A Comprehensive Disaster Management Plan has been prepared.
10	THDC shall ensure the development of Affected villages Forest Rehabilitation, as per directions of Uttarakhand Government and with the help of Local People.	<ul style="list-style-type: none"> ● The development activities like construction of pathway, minor water supply schemes etc. under affected villages are being executed through involvement of local people. ● A provision of involving local population also exists under CAT plan.
11	Labors and their families, working in the construction works of the Project shall be properly vaccinated.	Medical examination of workforce is done prior to induction and properly vaccinated whenever needed. Medical camps are also organized for labors.
12	The proper development of religious places and Shamshan Ghats nearby the riverbank shall be ensured.	The aspect has been covered under Community Development activities at Point No. 8 above.
13	The treatment of sewage generated by the Labors engaged in construction works of the Project shall be ensured by means of Septic Tank and soak pits.	At each camp site; One Community latrine per 20 persons was provided. Each camp is equipped with septic cum soak pits. The effluent is being disposed-off in septic cum soak tanks.
14	To provide all necessary Project related information to local people, a Public Information Centre shall be established and completed information shall be provided to the people.	Project has established a Public Information Center (PIC) at the VPHEP campus. Necessary information related to Technical, Social & Environmental aspects are displayed and are available in PIC.

15	Complete details related to the project shall be published through Press and the views /opinions of the people shall properly solve.	<p>Project-related information is being published in the local newspapers from time to time.</p> <p>Grievance Redressal Mechanism resolves the issues of affected population in accordance with R&R Policy of VPHEP. Also, such grievances are being resolved in the presence of local administration.</p> <p>VPHEP-THDCIL is maintaining Consultancy matrix to address any issues arise from Project affected villages</p>
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SOCIAL RESPONSIBILITIES:

CONSTRUCTION OF COMMON PROPERTY RESOURCES:

In addition to the compensation / Grants provided by SLAO/ THDCIL, common property resources like Pathways, drinking water facility, Street Light, Primary School, Panchayat Ghar, Anganwari Kendra, etc. has been constructed at self-resettlement sites.

LOSS OF FUEL & FODDER:

Each entitled household in the affected habitation is being paid 100 days of Minimum Agriculture Wages per year for a period of 5 years. On the recommendations of the World Bank, THDCIL has increased the disbursement of Fuel and fodder Grants from 5 years to 8 years. The amount is paid as a grant/assistance towards the loss of fuel and fodder. Around 2596 households are getting benefited through this assistance.

COMMUNITY DEVELOPMENT WORKS:

Under Community development various works have been taken up in the Project affected villages i.e.; construction of Pathways, Waiting for shelters, Community buildings, Road widening, Hill side slope protection works, Solar street lights for villages, furniture & sports kits for the community, water supply schemes, Teaching aids & furniture to schools, Construction of additional classrooms & toilets, promotion of sports & cultural activities, awareness camps on social & environmental aspects, health camps & awareness camps on HIV AIDS, Pulse Polio etc.

LIVELIHOOD ACTIVITIES:

Various activities have also been taken up to create livelihood opportunities. These are Dairy Development, Poultry, Tailoring, Stitching, Wool Knitting, Bee Keeping, Mushroom cultivation, vermin composting to promote organic farming, plantation, etc. Awareness programs for Project affected people are also organized with the help of various State Govt. Deptts i.e. Horticulture, Agriculture, Tourism, Animal Husbandry, etc., give awareness on various schemes, subsidies, technical assistance, etc., to convince local youth to opt for self-employed income generation activities. Around 500 beneficiaries are benefited from these programs.

On the recommendations of the World Bank, the work towards “Engagement of Specialized Agency to help Prepare Livelihood Development / Employment Generation; its Implementation in relation to VPHEP” was awarded to M/s MRIDA Renergy & Development Pvt. Ltd, New Delhi commenced on 03.01.2020. The agency has completed the Draft Baseline survey/final baseline survey submitted the draft strategy report by 31.03.2021. The final strategy report for Phase -1 (7 villages) was submitted on 03/09/2021. The contract was completed on 23.01.2023.

As of now a total of 28 nos. Polyhouses have been installed by M/s Mrida, and 58 PAPs have received Bee-Boxes (2 each) out of which 36 bee-keeping units are operating successfully, 17 are partially operating and bees in 5 units are dead. M/s MRIDA has started a stitching center at Mayapur and completed the training of 61 beneficiaries. A total of 12 farmers have benefited from Farm Machinery Bank interventions in Guniyala. For the revival of existing pilot projects THDC has hired two Consultants and two Assistant Consultants from the Project Affected Community only.

VOCATIONAL TRAINING:

Apart from the above, Vocational Training in hotel management, Excavator Operator, Electrician, Fitter, Refrigerating and Air Conditioning, and other skill enhancement activities, etc. are also undertaken, in coordination with various institutes like GMR Foundation, Dr. Reddy Foundation, and Industrial Training Institutes in nearby areas. Around 300 beneficiaries are benefited through these programs. Two computer training centers have been started by M/s MRIDA, the Mayapur center has given training to 67 beneficiaries, however, the center at Pipalkoti couldn't complete the training of students. Under “Nayi Udaan” THDCIL has setup a Computer Training Centre at Mayapur and two Stitching Training Centres at village Durgapur and Urgham. There are total 35 students are getting benefitted through the computer training centre and 38 through stitching training centre.

EDUCATION:

To promote Education the Project has undertaken various activities i.e.; Scholarship to project-affected Meritorious/Poor/ Girls students, Construction of additional classrooms & toilets, providing teaching aids & uniforms, assistance for getting admission in ITIs, assistance to schools for cultural activities etc. Around 1411 students having approx. 800 girls have benefitted through scholarship program of THDCIL till the Academic year 2018-19. The above assistance has been kept on hold as the schools were closed due to the COVID-19 pandemic.

HEALTH:

The project is helping PAPs by facilitating them to THDCILs Dispensaries established in the Project Campus. OPD / IPD facility including medicines is given free of cost to PAPs. In addition to this Medical health camps are organized in project-affected villages and an Ambulance facility is also provided to the needy PAPs free of cost. The Health camps have been immensely beneficial for the local population & nearby areas that include people from project-affected villages of Project. Approx. 54,077 beneficiaries having 31,940 people from the community have been administered treatment in the dispensary. A new well-equipped pathology lab is established on 01.07.2022 in the dispensary. Three health camps has also been organized in the villages around the vicinity and total 133 people got benefitted through it.

VPHEP-THDCIL launched an awareness drive “Saheli”. This drive covered all 27 affected villages including Schools in and around the project with the aim to spread awareness about menstrual health and taboos and inform about their rights. VPHEP-THDCIL is also distributing hygiene kits, including sanitary pads, dusting powder, and intimate hygiene wash through this awareness drive. As of now more than 1400 women and girls have benefitted through our awareness drive. Saheli has achieved the set target and will continue to benefit the girls and women of the project-affected villages and schools through awareness drives in the future.

One mini-truck TATA ACE 1.8 cum has been handed over to Nagar Panchayat, Pipalkoti, District Chamoli on the 9th June, 2020 through SEWA, THDCIL, Rishikesh under Corporate Social Responsibility (CSR). The vehicle is used for transportation of Garbage to Disposal sites under their control. The Garbage generated at THDCIL, Project Complex, VPHEP is also being addressed by Nagar Panchayat, Pipalkoti.

EMPLOYMENT:

Keeping in view that the Hydro Projects are capital intensive with the State of Art Technology and therefore do not offer many employment opportunities, particularly in the unskilled category, the option of providing a job with THDCIL as per policy is not considered as a rehabilitation option. However, as of date approx. 2424 persons have been provided direct/indirect employment opportunities in Project HCC / THDCIL/ Contractors/ Hiring of vehicles/Lease land for various purposes etc.

M/S HINDUSTAN CONSTRUCTION CO. LTD

**Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO Mayapur (Pipal Koti)**

Distt. Chamoli, Uttarakhand-246472

HCEC

Environmental Monitoring

(JULY TO SEPTEMBER-2024)

Submitted By

ARIHANT ANALYTICAL LABORATORY PVT. LTD.

272, Phase-IV, Sec-57, HSIIDC, Kundli

Sonipat-131028 (Haryana)



Certificate

This is to certify that Environmental monitoring work carried out by M/S Arihant Analytical Laboratory Pvt. Ltd. for M/S Hindustan Construction co. Ltd. (July to September 2024). In reference to work order no. **16066669**.

The Environmental Monitoring Report is meant for internal use of your organization and to submit concern government department for official use only.

Date: 04-10-2024

For Arihant Analytical Laboratory Pvt. Ltd.



[Handwritten Signature]
(Authorized Signatory)

SN	TITLE
1.	Executive summary
2.	Drinking Water Sample
3.	Stack Emission
4.	Waste Water Sample
5.	Ambient Air Quality Monitoring
6.	Indoor Air Quality Monitoring
7.	Noise Level Monitoring
8.	Crusher Monitoring



EXECUTIVE SUMMARY



EXECUTIVE SUMMARY REPORTS FOR ENVIRONMENTAL MONITORING

(JULY TO SEPTEMBER 2024)

DISCUSSION OF RESULTS & CONCLUSION

1.0 Drinking Water:

Drinking water Quality was analysed and parameters were found as per IS-10500:2012 Drinking water specification. Drinking water was monitored at following 6 locations:

- Dam Sites Mess (B-2)
- Near Office (Dam Site)
- DP Mess Power House
- Office Pantry (Power House)
- PR WA Camp (Batula-2)
- Mess (Power House)

2.0 Stack Emission (DG & Boiler):

Stack Emission was monitored for DG Sets & Boiler Stack. All the results were found with the prescribe limits as per CPCB Guidelines.

- DG No. 1(2000 KVA)
- DG No. 2(2000 KVA)
- DG No. 3(2000 KVA)
- DG No. 4(2000 KVA)
- DG No. 5(1010 KVA)
- Boiler Stack (850 kg/hr.)

3.0 Waste water (ETP Outlet):

Effluent water Quality was analysed and all parameters were found under to limits as per CPCB. Location as mentioned below.

- Sedimentation Tank Batching Plant Dam Site
- Sedimentation Tank Batching Plant Near Casting Yard
- Sedimentation Tank Batching Plant Power House
- DP Mess Outlet Dam Site
- DP Mess Outlet Power House
- Sedimentation Tank- Crusher Plant
- Sedimentation Tank-Dam Site
- Sedimentation Tank-Power House
- WTP Plant-Inlet
- WTP Plant-Outlet



4.0 Ambient Air Quality Monitoring

Ambient Air Quality was Monitored at Four Locations for one month for parameters Respirable Suspended Particulate Matter (PM_{10}), Fine Particulate Matter ($PM_{2.5}$), Sulphur Dioxide (SO_2), Nitrogen Dioxide (NO_2), Found within the CPCB limits

- TRT Road (Near Durgapur School)
- TRT Road/Colony at Siyasin
- Power House at Haat/Harsari
- Dam Site (Near Office)

5.0 Indoor Air Quality Monitoring

Indoor air quality was monitoring parameters Suspended Particulate Matter (SPM), Sulphur Dioxide (SO_2), Nitrogen Dioxide (NO_2), Carbon Dioxide (CO_2), Carbon Monoxide (CO), Silica Contents (SiO_2), Formaldehyde (HCHO), Methane (CH_4) and Found within the limits at 6 Locations.

- Insite Adit to HRT
- Inside TRT Adit Tunnel
- Inside MAT Tunnel
- Inside DT Tunnel
- Inside to Desilting Chamber (DC-3) Tunnel
- Inside Ventilation Tunnel

6.0 Noise Monitoring:

Noise Level was monitored according to CPCB standards parameters Leq and found within the limits at 21 Locations:

- 2000 KVA-DG No.1
- 2000 KVA-DG No.2
- 2000 KVA-DG No.3
- 2000 KVA-DG No.4
- 1010 KVA-DG No.5
- Inside TRT Tunnel
- Inside Ventilation Tunnel
- Inside MAT Tunnel
- Near Batula Village
- Near Siyasin Colony
- Near Haat/Harsari Village
- Near HRT & DC Tunnel
- Near Crusher Area
- Near Main Office (Haat Village)
- Near Main Office (Dam Site)
- Near Camp Helong
- Near Boiler Section
- Near Workshop
- Near Main Office (Power House)



- Near Hatching Plant
- Near Haul Road.

7.0 Crusher Monitoring

Crusher Monitoring was done according to CPCB Standard and all the parameters were within the limits.

- Air Emission (Stone Crusher)



Drinking Water Sample



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand



Jaipur, Uttarakhand, India
0007+JMP, Jaipur, Uttarakhand 248420, India
Lat 30.419980°
Long 78.415249°
2020/04 11:47 AM GMT +05:30

DRINKING WATER



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Long 78.415249°
2020/04 11:57 AM GMT +05:30

DRINKING WATER

CONDUCTED BY
ARIHANT ANALYTICAL LABORATORY PVT. LTD.
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Website : www.aakundli.com

TEST REPORT

Page 1 of 1

Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugal Pipal Koti Hydro Electric Project,
Mayapur, P.O-Mayapur (Pipli Kota)
Dist. Charnoli - 242 472, Uttaranchal

Report No. AAL WQ1-202 RW16032

Sample Description: Drinking Water

Date of Receiving: 16/09/2024

Date of Starting: 16/09/2024

Date of Completion: 21/09/2024

Date of Reporting: 23/09/2024

Sample Collection Date: 13/09/2024

Sample Quantity: 5 Litre

Sample Location: Dam Site Mess (B-2)

Sample Packing Condition: Sterilized Bottle

Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.35	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	132.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Alumina (as Al)	mg/l	BLQ (0.0000)	0.05 Max.	0.2 Max.	IS 3025(P-2)-2019	Yes
8	Ammonia (as total ammonia)	mg/l	BLQ (0.0000)	0.5 Max.	No relaxation	IS 3025(P-34)Sec-13-2023	Yes
9	Anionic Detergent (as soap)	mg/l	BLQ (0.0000)	0.2 Max.	1.0 Max.	APHA 2012 C 207 2A-2012	Yes
10	Barium (as Ba)	mg/l	BLQ (0.0000)	0.7 Max.	No relaxation	IS 3025(P-2)-2019	Yes
11	Boron (as B)	mg/l	BLQ (0.0000)	0.5 Max.	2.4 Max.	IS 3025(P-2)-2019	Yes
12	Calcium (as Ca)	mg/l	15.0	75 Max.	250 Max.	IS 3025(P-2)-2019	Yes
13	Chlorides (as Cl)	mg/l	10.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	BLQ (0.0000)	0.05 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019	Yes
17	Magnesium (as Mg)	mg/l	6.9	30 Max.	100 Max.	IS 3025(P-2)-2019	Yes
18	Manganese (as Mn)	mg/l	BLQ (0.0000)	0.1 Max.	0.5 Max.	IS 3025(P-2)-2019	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-2)-2019	Yes
20	Phenolic Compound (as phenol)	mg/l	BLQ (0.0000)	0.001 Max.	0.002 Max.	IS 3025(P-34)Sec-13-2023	Yes
21	Selenium (as Se)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	7.3	200 Max.	400 Max.	IS 3025(P-21)Sec-11-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	60.0	200 Max.	600 Max.	IS 3025(P-21)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	66.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	BLQ (0.0000)	5 Max.	15 Max.	IS 3025(P-2)-2019	Yes
26	Cadmium (as Cd)	mg/l	BLQ (0.0000)	0.005 Max.	No relaxation	IS 3025(P-2)-2019	Yes
27	Lead (as Pb)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
28	Ni (as Ni)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
29	Mercury (as Hg)	mg/l	BLQ (0.0000)	0.001 Max.	No relaxation	IS 3025(P-2)-2019	Yes
30	Molybdenum (as Mo)	mg/l	BLQ (0.0000)	0.07 Max.	No relaxation	IS 3025(P-48)-1994	Yes
31	Total arsenic (as As)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
32	Total Chromium (as Cr)	mg/l	BLQ (0.0000)	0.05 Max.	No relaxation	IS 3025(P-37)-2022	Yes
33	Total Coliform	Per 100ml	Absent	Not applicable to any volume sample		IS 3025(P-2)-2019	Yes
34	Total Fecal Coliform	Per 100ml	Absent	Not applicable to any volume sample		IS 15185-2016	Yes
						IS 15185-2016	Yes

Special Note: The above table parameters must be the representative of IS: 3025(P-2)-2019

****End of Report****

Vinay Dixit
(Microbiologist)

TUSH SRIVASTAVA
Quality Technical Manager
Authorised Signatory

- Note:**
- The Result indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred nor implied.
 - Total liability of our laboratory is limited to the invoice amount.
 - This report shall not be reproduced wholly or in part without written consent of the laboratory.
 - This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.
 - The non-retentable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.



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TEST REPORT

Page 1 of 1

Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Drinking Water

Sample Collection Date: 13/09/2024

Sample Location: Near Office (Dam Site)

Report No.: AAL WQT-20240910037

Date of Receiving: 16/09/2024

Date of Starting: 16/09/2024

Date of Completion: 23/09/2024

Date of Reporting: 23/09/2024

Sample Quantity: 5 Ltr.

Sample Packing Condition: Sterilized Bottle

Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.24	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	196.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	BLQ (100µg/l)	0.03 Max.	0.2 Max.	IS 3025(P-2)-2019	Yes
8	Arsenic (as total arsenic As)	mg/l	BLQ (100µg/l)	0.5 Max.	No relaxation	IS 3025(P-45)-2023	Yes
9	Barium (as Ba)	mg/l	BLQ (100µg/l)	0.2 Max.	1.0 Max.	APHA 8000 F 307 (8-02)	Yes
10	Boron (as B)	mg/l	BLQ (100µg/l)	0.7 Max.	No relaxation	IS 3025(P-2)-2019	Yes
11	Cadmium (as Cd)	mg/l	BLQ (100µg/l)	0.5 Max.	2.4 Max.	IS 3025(P-2)-2019	Yes
12	Calcium (as Ca)	mg/l	22.0	75 Max.	200 Max.	IS 3025(P-2)-2019	Yes
13	Chlorides (as Cl)	mg/l	12.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	BLQ (100µg/l)	0.05 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 8000 F 027 (8-20)	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019	Yes
17	Magnesium (as Mg)	mg/l	10.4	30 Max.	100 Max.	IS 3025(P-2)-2019	Yes
18	Manganese (as Mn)	mg/l	BLQ (100µg/l)	0.1 Max.	0.3 Max.	IS 3025(P-2)-2019	Yes
19	Nitrate (as NO ₃)	mg/l	3.4	45 Max.	No relaxation	IS 3025(P-54)-2023	Yes
20	Phosphate (as P)	mg/l	BLQ (100µg/l)	0.001 Max.	0.002 Max.	IS 3025(P-43)-2023	Yes
21	Selenium (Se)	mg/l	BLQ (100µg/l)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulfate (as SO ₄)	mg/l	15.0	200 Max.	400 Max.	IS 3025(P-24)-2023	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	95.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	98.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	BLQ (100µg/l)	5 Max.	15 Max.	IS 3025(P-2)-2019	Yes
26	Cadmium (as Cd)	mg/l	BLQ (100µg/l)	0.003 Max.	No relaxation	IS 3025(P-2)-2019	Yes
27	Cobalt (as Co)	mg/l	BLQ (100µg/l)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
28	Nickel (as Ni)	mg/l	BLQ (100µg/l)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
29	Mercury (as Hg)	mg/l	BLQ (100µg/l)	0.001 Max.	No relaxation	IS 3025(P-48)-1991	Yes
30	Molybdenum (as Mo)	mg/l	BLQ (100µg/l)	0.07 Max.	No relaxation	IS 3025(P-2)-2019	Yes
31	Total Arsenic (as As)	mg/l	BLQ (100µg/l)	0.01 Max.	No relaxation	IS 3025(P-17)-2022	Yes
32	Total Chromium (as Cr)	mg/l	BLQ (100µg/l)	0.05 Max.	No relaxation	IS 3025(P-2)-2019	Yes
33	E. Coli	Per 100ml	Absent	Should not be detectable in any 100ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Should not be detectable in any 100ml sample		IS 15185-2016	Yes

Conformity: The above test parameters meet the requirement of IS: 10500-2012

****End of Report****

Vinay Dixit
(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugad Pipal Kati Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Kati) Dist. Charnoli - 242 472, Uttarakhand	Report No.:	AAI-WQ1-20240910034
Sample Description:	Drinking Water	Date of Receiving:	16/09/2024
Sample Collection Date:	12/09/2024	Date of Starting:	16/09/2024
Sample Location:	Mess (Power House)	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	3 Litre
		Sample Packing Condition:	Sterilized Bottle
		Sample Collected By:	AAI

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.20	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	141.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	BLQ (0.00-0.05)	0.05 Max.	0.2 Max.	IS 3025(P-2)-2019	Yes
8	Ammonia (as total ammonia-N)	mg/l	BLQ (0.00-0.5)	0.5 Max.	No relaxation	IS 3025(P-14)(a)-2023	Yes
9	Anionic Detergent (as SDS)	mg/l	BLQ (0.00-0.1)	0.2 Max.	1.0 Max.	APHA 18th Ed. 8180	Yes
10	Barium (as Ba)	mg/l	BLQ (0.00-0.05)	0.7 Max.	No relaxation	IS 3025(P-2)-2019	Yes
11	Boron (as B)	mg/l	BLQ (0.00-0.05)	0.5 Max.	2.4 Max.	IS 3025(P-2)-2019	Yes
12	Calcium (as Ca)	mg/l	14.0	75 Max.	200 Max.	IS 3025(P-2)-2019	Yes
13	Chlorides (as Cl)	mg/l	12.0	250 Max.	1000 Max.	IS 3025(P-32)-1998	Yes
14	Copper (as Cu)	mg/l	BLQ (0.00-0.05)	0.05 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 18th Ed. 8180	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019	Yes
17	Magnesium (as Mg)	mg/l	6.5	30 Max.	100 Max.	IS 3025(P-2)-2019	Yes
18	Manganese (as Mn)	mg/l	BLQ (0.00-0.05)	0.1 Max.	0.3 Max.	IS 3025(P-2)-2019	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-14)(a)-2023	Yes
20	Phenolic Compound (as mEq/l)	mg/l	BLQ (0.00-0.05)	0.001 Max.	0.002 Max.	IS 3025(P-4)(a)-2022	Yes
21	Selenium (as Se)	mg/l	BLQ (0.00-0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	11.0	200 Max.	400 Max.	IS 3025(P-14)(a)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	58.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	62.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	BLQ (0.00-0.05)	5 Max.	15 Max.	IS 3025(P-2)-2019	Yes
26	Cadmium (as Cd)	mg/l	BLQ (0.00-0.005)	0.005 Max.	No relaxation	IS 3025(P-2)-2019	Yes
27	Lead (as Pb)	mg/l	BLQ (0.00-0.01)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
28	Nickel (Ni)	mg/l	BLQ (0.00-0.01)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
29	Mercury (as Hg)	mg/l	BLQ (0.00-0.001)	0.001 Max.	No relaxation	IS 1025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	BLQ (0.00-0.05)	0.07 Max.	No relaxation	IS 3025(P-2)-2019	Yes
31	Total Arsenic (as As)	mg/l	BLQ (0.00-0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	BLQ (0.00-0.05)	0.05 Max.	No relaxation	IS 3025(P-2)-2019	Yes
33	Total Coli	Per 100ml	Absent	Should be zero in any 100ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Should be zero in any 100ml sample		IS 15185-2016	Yes

AAI-WQ1-20240910034

Report: The above listed parameters meet the requirement of IS: 10500:2012

End of Report

Vinay Dixit
(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Client:	My Hindustan Construction Co. Ltd. Vijaynagar Pipal Koti Hydro Electric Project, Masapur, PO-Masapur (Pipal Koti) Dist. Chhambh - 242 472, Uttarakhand	Report No.:	AAL/WQI-20240916015
Sample Description:	Drinking Water	Date of Receiving:	16/09/2024
Sample Collection Date:	12/09/2024	Date of Starting:	16/09/2024
Sample Location:	Office Pantry (Power House)	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	3 Ltr.
		Sample Packing Condition:	Sterilized Bottle
		Sample Collected By:	AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	6.97	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	102.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	BLQ (100-10)	0.05 Max.	0.2 Max.	IS 3025(P-2)-2019	Yes
8	Antimony (as Sb)	mg/l	BLQ (100-10)	0.5 Max.	No relaxation	IS 3025(P-14)Sec-1(2023)	Yes
9	Anionic Detergent (as SDS)	mg/l	BLQ (100-10)	0.2 Max.	1.0 Max.	APHA 1900 C 24 th Ed-2023	Yes
10	Barium (as Ba)	mg/l	BLQ (100-10)	0.7 Max.	No relaxation	IS 3025(P-2)-2019	Yes
11	Boron (as B)	mg/l	BLQ (100-10)	0.5 Max.	2.4 Max.	IS 3025(P-2)-2019	Yes
12	Calcium (as Ca)	mg/l	8.0	75 Max.	200 Max.	IS 3025(P-2)-2019	Yes
13	Chlorides (as Cl)	mg/l	10.0	250 Max.	1000 Max.	IS 3025(P-32)-1958	Yes
14	Copper (as Cu)	mg/l	BLQ (100-10)	0.05 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 1900 F 02 nd Ed-2023	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019	Yes
17	Magnesium (as Mg)	mg/l	6.5	30 Max.	100 Max.	IS 3025(P-2)-2019	Yes
18	Manganese (as Mn)	mg/l	BLQ (100-10)	0.1 Max.	0.3 Max.	IS 3025(P-2)-2019	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-34)Sec-1(2023)	Yes
20	Microbiological (Total Coliforms)	mg/l	BLQ (100-10)	0.001 Max.	0.002 Max.	IS 3025(P-41)Sec-1(2023)	Yes
21	Sulphate (as S)	mg/l	BLQ (100-10)	0.01 Max.	No relaxation	IS 3025(P-56)-2001	Yes
22	Sulphate (as SO ₄)	mg/l	2.6	200 Max.	400 Max.	IS 3025(P-2)Sec-1(2023)	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	42.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	47.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	BLQ (100-10)	5 Max.	15 Max.	IS 3025(P-2)-2019	Yes
26	Calcium (as Ca)	mg/l	BLQ (100-10)	0.003 Max.	No relaxation	IS 3025(P-2)-2019	Yes
27	Lead (as Pb)	mg/l	BLQ (100-10)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
28	Nickel (Ni)	mg/l	BLQ (100-10)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
29	Mercury (as Hg)	mg/l	BLQ (100-10)	0.01 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	BLQ (100-10)	0.07 Max.	No relaxation	IS 3025(P-2)-2019	Yes
31	Total Arsenic (as As)	mg/l	BLQ (100-10)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	BLQ (100-10)	0.05 Max.	No relaxation	IS 3025(P-2)-2019	Yes
33	F.S.S.I.	Per 100ml	Absent	Not to be detected in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliforms	Per 100ml	Absent	Not to be detected in any 100 ml sample		IS 15185-2016	Yes

Note: The above listed parameters meet the requirement of IS: 10500-2012

****End of Report****

Viney Dixit
(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Tested For:	M/s Hindustan Construction Co. Ltd. Vishnugad Pipal Kati Hydro Electric Project, Miyapur, PO-Miyapur (Pipal Kati) Dist. Charnoli - 212 472, Uttarakhnad	Report No.:	AAI, WQ1-20240916036
Sample Description:	Drinking Water	Date of Receiving:	16/09/2024
Sample Collection Date:	12/09/2024	Date of Starting:	16/09/2024
Sample Location:	PRWA Camp (Barula-2)	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	3 Litre
		Sample Packing Condition:	Sterilized Bottle
		Sample Collected By:	AAI

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.14	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	162.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	BLQ (0.000)	0.05 Max.	0.2 Max.	IS 3025(P-2)-2019	Yes
8	Ammonia (as total ammonia-N)	mg/l	BLQ (0.000)	0.5 Max.	No relaxation	IS 3025(P-14)Sec-1-2023	Yes
9	Arsoic Derivat (as AsO ₃)	mg/l	BLQ (0.000)	0.2 Max.	1.0 Max.	APHA 1841 C-24 th Ed-2021	Yes
10	Barium (as Ba)	mg/l	BLQ (0.000)	0.7 Max.	No relaxation	IS 3025(P-2)-2019	Yes
11	Boron (as B)	mg/l	BLQ (0.000)	0.5 Max.	2.4 Max.	IS 3025(P-2)-2019	Yes
12	Calcium (as Ca)	mg/l	18.0	75 Max.	200 Max.	IS 3025(P-2)-2019	Yes
13	Chloride (as Cl)	mg/l	17.0	250 Max.	1000 Max.	IS 3025(P-22)-1988	Yes
14	Copper (as Cu)	mg/l	BLQ (0.000)	0.05 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
15	Fluoride (as F)	mg/l	0.16	1 Max.	1.5 Max.	APHA 4500 F-07 th Ed-2021	Yes
16	Iron (as Fe)	mg/l	0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019	Yes
17	Magnesium (as Mg)	mg/l	7.2	30 Max.	100 Max.	IS 3025(P-2)-2019	Yes
18	Manganese (as Mn)	mg/l	BLQ (0.000)	0.1 Max.	0.3 Max.	IS 3025(P-2)-2019	Yes
19	Nitrate (as NO ₃)	mg/l	3.0	45 Max.	No relaxation	IS 3025(P-24)Sec-1-2023	Yes
20	Phenolic Compound (as CaO)	mg/l	BLQ (0.000)	0.001 Max.	0.002 Max.	IS 3025(P-4)Sec-1-2022	Yes
21	Selenium (as Se)	mg/l	BLQ (0.000)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulfate (as SO ₄)	mg/l	7.6	200 Max.	400 Max.	IS 3025(P-28)Sec-1-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	72.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	75.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	BLQ (0.000)	5 Max.	15 Max.	IS 3025(P-2)-2019	Yes
26	Cadmium (as Cd)	mg/l	BLQ (0.000)	0.003 Max.	No relaxation	IS 3025(P-2)-2019	Yes
27	Lead (as Pb)	mg/l	BLQ (0.000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
28	Nickel (Ni)	mg/l	BLQ (0.000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
29	Mercury (as Hg)	mg/l	BLQ (0.000)	0.001 Max.	No relaxation	IS 3025(P-40)-1994	Yes
30	Molybdenum (as Mo)	mg/l	BLQ (0.000)	0.07 Max.	No relaxation	IS 3025(P-2)-2019	Yes
31	Total Arsenic (as As)	mg/l	BLQ (0.000)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	BLQ (0.000)	0.05 Max.	No relaxation	IS 3025(P-7)-2019	Yes
33	E.Coli	Per 100ml	Absent	Should not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Should not be detectable in any 100 ml sample		IS 15185-2016	Yes

Correct: The above listed parameters meet the requirements of IS: 10500-2012

****End of Report****

Vijay Dixit
(Microbiologist)

ASETOSH SRIVAS JAIN
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To: **M/s Hindustan Construction Co. Ltd.**
 Vishnugal Pipal Koti Hydel Electric Project,
 Mayapur, (SI-Mayapur (Pipal Koti))
 Dist: Yamoni - 242 472, Uttarakhand

Sample Description: **Drinking Water**

Sample Collection Date: **17/09/2024**

Sample Location: **DP Mess Power House**

Report No. **AAL-WQ/20240916027**

Date of Receiving: **16/09/2024**

Date of Starting: **16/09/2024**

Date of Completion: **23/09/2024**

Date of Reporting: **23/09/2024**

Sample Quantity: **5 Litre**

Sample Packing Condition: **Sterilized Bottle**

Sample Collected By: **AAL**

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.15	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	157.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	BLQ (0.0000)	0.03 Max.	0.2 Max.	IS 3025(P-2)-2019	Yes
8	Ammonia (as total ammonia-N)	mg/l	BLQ (0.0000)	0.5 Max.	No relaxation	IS 3025P-34Sec-1)-2023	Yes
9	Artesic Detergent (as soap)	mg/l	BLQ (0.0000)	0.2 Max.	1.0 Max.	AMIS 1100 C 20' 10-2023	Yes
10	Barium (as Ba)	mg/l	BLQ (0.0000)	0.7 Max.	No relaxation	IS 3025(P-2)-2019	Yes
11	Boron (as B)	mg/l	BLQ (0.0000)	0.5 Max.	2.4 Max.	IS 3025(P-2)-2019	Yes
12	Calcium (as Ca)	mg/l	16.5	75 Max.	200 Max.	IS 3025(P-2)-2019	Yes
13	Chlorides (as Cl)	mg/l	13.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	BLQ (0.0000)	0.05 Max.	1.5 Max.	IS 3025(P-2)-2019	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	AMIS 1100 C 20' 10-2023	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019	Yes
17	Magnesium (as Mg)	mg/l	6.7	30 Max.	100 Max.	IS 3025(P-2)-2019	Yes
18	Manganese (as Mn)	mg/l	BLQ (0.0000)	0.1 Max.	0.5 Max.	IS 3025(P-2)-2019	Yes
19	Nitrite (as NO ₂)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-34Sec-1)-2023	Yes
20	Phenolic Compound (as p-CP)	mg/l	BLQ (0.0000)	0.001 Max.	0.002 Max.	IS 3025(P-33Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulfate (as SO ₄)	mg/l	6.5	200 Max.	400 Max.	IS 3025(P-24Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	60.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	60.0	200 Max.	600 Max.	IS 3025(P-23)-2009	Yes
25	Zinc (as Zn)	mg/l	BLQ (0.0000)	5 Max.	15 Max.	IS 3025(P-2)-2019	Yes
26	Cadmium (as Cd)	mg/l	BLQ (0.0000)	0.003 Max.	No relaxation	IS 3025(P-2)-2019	Yes
27	Lead (as Pb)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
28	Nickel (as Ni)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-2)-2019	Yes
29	Mercury (as Hg)	mg/l	BLQ (0.0000)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	BLQ (0.0000)	0.07 Max.	No relaxation	IS 3025(P-2)-2019	Yes
31	Total Arsenic (as As)	mg/l	BLQ (0.0000)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	BLQ (0.0000)	0.05 Max.	No relaxation	IS 3025(P-2)-2019	Yes
33	E.Coli	Per 100ml	Absent	(Not to be determined as per IS 3010-2012)		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	(Not to be determined as per IS 3010-2012)		IS 15185-2016	Yes

NOTE: The above listed parameters meet the requirements of IS: 10500-2012

End of Report

Vinay Dixit
(Microbiologist)

ANUSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Stack Emission Monitoring



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
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Dist. Chamoli – 242 472, Uttarakhand



STACK EMISSION



STACK EMISSION

CONDUCTED BY
ARIHANT ANALYTICAL LABORATORY PVT. LTD.
PLOT NO.272, PHASE-IV, SECTOR-57, HSIIDC,
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TEST REPORT

Page 1 of 1

Issued To: **M/s Hindustan Construction Co. Ltd.**
Yashraj Pipal Koti Hydro Electric Project,
Mayapur, P.O-Mayapur (Pipal Koti)
Dist. Champali - 242 472, Uttarakhand

Report No.: **AAI-ENV-20240916040**

Date of Reporting: **23/09/2024**

Sample Description: **D G Stack Emission**

Date of Monitoring: **13/09/2024**

Sampling Done By: **AAI**

TEST RESULT

Plant Section: **D G Section**

Stack Identification: **Stack Attached to D G**

Source of Emission: **D G Set**

Capacity: **2000 KVA - D G No.1**

Type of Stack: **Metal**

Diameter of Stack: **12"**

Height of Stack from Ground Level: **12.5m**

Height from Bowl Level: **-**

Height at Which Sampling Port: **6m**

Process/Manufacturing: **Construction Works**

Type of Fuel Used: **HSD**

Normal Operating Schedule: **As per requirement**

Duration of Monitoring: **45 min**

Emission Control (If any): **Nil**

Observations

Ambient Temperature (°C): **34**

Stack Temperature (°C): **352**

Velocity (m/s): **15.22**

Quantity of emission (Nm³/hr): **1768.62**

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM ₁₀) At 15% O ₂	mg/Nm ³	43.7	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	189.5	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	38.9	130	IS 13270- 1992
4	Nitro Methane/ Hydrocarbon (as C ₁) At 15% O ₂	mg/Nm ³	26.4	100	AAI/SO/ENV/010-2022

****End of Report****

Asst. Mgr.
ASHU TOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Vishnupur Pipal Koti Hydro Electric Project,
Mazrahar, PO-Mazrahar (Pipal Koti)
Dist. Channai - 242 472, Uttarakhand

Report No.: AAL/ENV/2024/0916641

Date of Reporting: 23/09/2024

Sample Description: D G Stack Emission

Date of Monitoring: 13/09/2024

Sampling Done By: AAL

TEST RESULT

Plant section : D G Section
Stack Identification : Stack Attached to D G
Source of Emission : D G Set
Capacity : 2000 KVA - D G No.2
Type of Stack : Metal
Diameter of Stack : 12"
Height of Stack from Ground Level : 12.5m
Height from Roof Level : -
Height at Which Sampling Port : 6m
Product Manufacturing : Construction Works
Type of Fuel Used : HSD
Normal Operating Schedule : As per requirement
Duration of Monitoring : 45 min.
Emission Control (if any) : Nil

Observations

Ambient Temperature (°C) : 33
Stack Temperature (°C) : 365
Velocity (m/s) : 14.73
Quantity of emission (Nm³/hr.) : 1704.42

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	46.9	75	IS 11253(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	192.6	710	IS 11253(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	48.4	150	IS 13276-1992
4	Non-Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	29.5	100	AAISO/ENV/02-2002

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Deputy Technical Manager
Authorised Signatory

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Client: **M/s Hindustan Construction Co. Ltd.**
 Address: Vidhanganal Pipal Koti Hydro Electric Project,
 Mayapur, PO-Mayapur (Pipal Koti)
 Dist. Chhara - 242 472, Uttarakhand

Report No.: **AAL ENV/20240916047**

Date of Reporting: **23-09-2024**

Sample Description: **D G Stack Emission**

Date of Monitoring: **13-09-2024**

Sampling Done By: **AAL**

TEST RESULT

Plant Section: **D G Section**

Stack Identification: **Stack Attached to D G**

Source of Emission: **D G Set**

Capacity: **2000 KVA - D G No.3**

Type of Stack: **Metal**

Diameter of Stack: **12"**

Height of Stack from Ground Level: **12.5m**

Height from Roof Level: **-**

Height at Which Sampling Port: **6m**

Product Manufacturing: **Construction Works**

Type of Fuel Used: **HSD**

Normal Operating Schedule: **As per requirement**

Duration of Monitoring: **45 min.**

Emission Control (if any): **Nil**

Observations

Ambient Temperature (°C): **33**

Soak Temperature (°C): **309**

Soak Velocity: **14.77**

Quantity of emission (Nm³/hr): **1899.10**

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1.	Particulate Matter (as PM ₁₀) At 15% O ₂	mg/Nm ³	42.5	75	IS 11255 (Pt-1)-1985
2.	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	81.7	710	IS 11255 (Pt-7)-2005
3.	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	50.8	150	IS 13270-1992
4.	Non-Methane Hydrocarbon (as C ₁) At 15% O ₂	mg/Nm ³	26.4	100	AAL508/ENV/02-2022

****End of Report****


ANAND MUTISH SRIVASTAVA
 Deputy Technical Manager
 Authorised Signatory

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 Vishnugau Pipal Kati Hydro Electric Project,
 Mayapur, P.O-Mayapur (Pipal Kati)
 Dist. Chharaoli - 242-472, Uttarakhand

Report No.: AAL ENV-2024/916032
Date of Reporting: 23/09/2024

Sample Description: D.G. Stack Emission
Date of Monitoring: 13/09/2024
Sampling Done By: AAL

TEST RESULT

Plant Section : D.G. Section
 Stack Identification : Stack Attached to D.G.
 Source of Emission : D.G. Set
 Capacity : 2000 KVA - D.G. No.4
 Type of Stack : Metal
 Diameter of Stack : 12"
 Height of Stack from Ground Level : 12.5m
 Height from Roof Level : -
 Height at Which Sampling Port : 6m
 Product Manufacturing : Construction Works
 Type of Fuel Used : HSD
 Normal Operating Schedule : As per requirement
 Duration of Monitoring : 45 min.
 Emission Control (if any) : Nil

Observations
 Ambient Temperature (°C) : 34
 Stack Temperature (°C) : 356
 Velocity (m/s) : 15.19
 Quantity of emission (Nm³/hr.) : 1783.53

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	49.7	75	IS 11255(P-1)-1983
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppm	187.6	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	53.8	120	IS 13270-1992
4	Non Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	32.4	100	AAL/SOP/ENV/02/2022

****End of Report****


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Vidhansabha Pipal Kori Hydro Electric Project,
Masapur, P.O-Masapur (Pipal Kori)
Dist. Chamba - 242 472, Uttarakhand

Report No.: **AAL ENV-20240916044**

Date of Reporting: **23/09/2024**

Sample Description: **D.G Stack Emission**

Date of Monitoring: **13/09/2024**

Sampling Done By: **AAL**

TEST RESULT

Plant Section : **D G Section**

Stack Identification : **Stack Attached to D.G.**

Source of Emission : **D.G Set**

Capacity : **1010 KVA - D.G No.5**

Type of Stack : **Metal**

Diameter of Stack : **12"**

Height of Stack from Ground Level : **12.5m**

Height from Roof Level : **-**

Height at Which Sampling Port : **5m**

Product/Manufacturing : **Construction Works**

Type of Fuel Used : **HSD**

Normal Operating Schedule : **As per requirement**

Duration of Monitoring : **45 min**

Emission Control (If any) : **Nil**

Observations

Ambient Temperature (°C) : **34**

Stack Temperature (°C) : **315**

Velocity (m/s) : **14.25**

Quantity of emission (Nm³/hr.) : **1780.93**

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM ₁₀) At 15% O ₂	mg/Nm ³	52.4	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	190.7	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	58.3	150	IS 13270-1992
4	Non Methane Hydrocarbon (as C ₁) At 15% O ₂	mg/Nm ³	54.5	100	AALBQ/ENV/30-200

Page 1 of 1 (Total Pages)

****End of Report****


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Design: Technical Manager
Authorised Signatory

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Page 1 of 1

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Vishnuapat Pipal Kati Hydro Electric Project,
Mavapat, PU-Mayapur (Pipal Kati)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Boiler Stack Emission

Date of Monitoring: 13/09/2024

Report No.: AA/ENV/2024/0916019

Date of Reporting: 23/09/2024

Sampling Done By: AA

TEST RESULT

Plant Section: Boiler Section

Stack Identification: Stack attached to Boiler

Source of Emission: Boiler Stack

Capacity: 850 Kg/Hr.

Type of Stack: Metal

Diameter of Stack: 0.5m

Height of Stack from Ground Level: 30m

Height from Roof Level: -

Height at Which Sampling Port: 10m

Product/Manufacturing: Construction Works

Type of Fuel Used: HSD

Normal Operating Schedule: As per requirement

Duration of Monitoring: 45 min.

Emission Control (if any): -

Observations

Ambient Temperature (°C): 34

Stack Temperature (°C): 159

Average Stack Velocity (m/s): 10.42

Quantity of emissions (Nm³/sec): 1.37

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM ₁₀)	mg/Nm ³	44.3	500	IS 11255(P-1)-1985
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	16.6	NS	IS 11255(P-2)-1985
3	Oxide of Nitrogen (as NO _x)	mg/Nm ³	89.3	NS	IS 11255(P-7)-2005
4	Carbon Monoxide (as CO)	%v/v	<0.2	1%	IS 13270-1992

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ASMITOSH SRIVASTAVA
Deputy Technical Manager
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Waste Water Sample

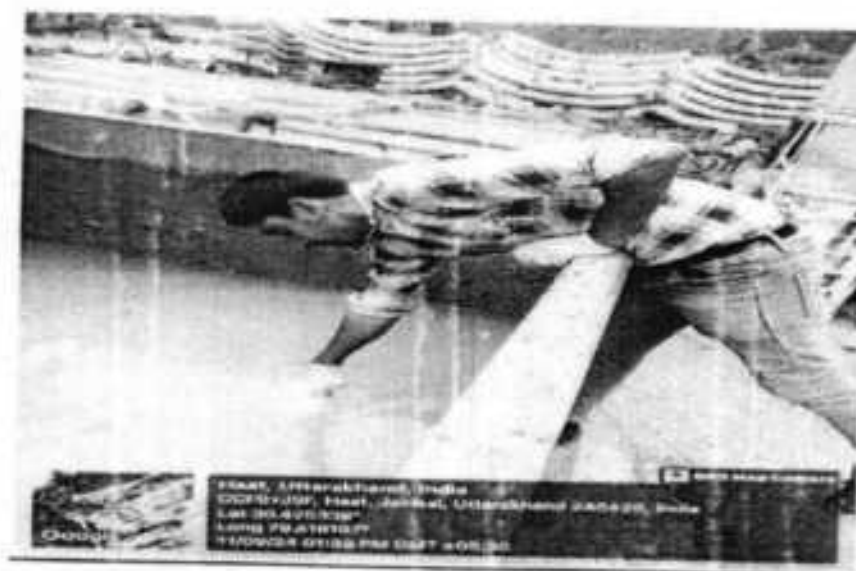


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WASTE WATER



WASTE WATER

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TEST REPORT

Page 1 of 1

Client/To:	M/s Hindustan Construction Co. Ltd. Vidhansabha Pipal Kori Hydro Electric Project, Miyapur - P.O. Miyapur (Pipal Kori) Dist. Chamoli - 242 472, Uttarakhand	Report No.:	AAL/9001-2024/016038
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	13/09/2024	Date of Starting:	16/09/2024
Sample Location:	Sedimentation Tank Batching Plant Dam Site	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge of effluent into Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.48	5.5 - 9.0	IS 3025(P-11)-2002
3	Total Suspended Solids	mg/l	28.0	100 Max.	IS 3025(P-17)-2002
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days @ 20°C)	mg/l	17.0	30 Max.	IS 3025(P-41)-2023
6	Chemical Oxygen Demand (COD)	mg/l	77.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ANURAG SRIVASTAVA
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TEST REPORT

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Client For:	Ms Hindustan Construction Co. Ltd. Vedvengal Pipal Koti Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Koti) Dist. Champaini - 242 472, Uttarakhand	Report No.	AAL WQ7-20240916029
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	11/09/2024	Date of Starting:	16/09/2024
Sample Location:	Sedimentation Tank Batching Plant Near Casting Yard	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless		IS 3025(P-5)-2018
2	pH Value	-	7.52	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	32.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	19.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	98.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugat Pipal Koti Hydro Electric Project, Masauri, P.O. Masauri (Pipal Koti) Dist. Chitwan - 242472, Uttarakhand	Report No.:	AAL WQT-2024/9/16040
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	11/09/2024	Date of Starting:	16/09/2024
Sample Location:	Sedimentation Tank Batching Plant Power House	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limit as per Environment (Provisional) Rules, 1986 Schedule III General Standards for Discharge to/and Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.39	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	20.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-19)-2021
5	Biochemical Oxygen Demand (BOD ₅ at 20°C)	mg/l	14.2	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	72.0	250 Max.	IS 3025(P-58)-2023

End of Report


ANIL K. SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To:	M/s Hindustan Construction Co. Ltd. Yashrajat Pipal Kuti Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Kuti) Dist. Charnoli - 242 472, Uttarakhand	Report No.:	AAL WQI-20240916004
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	13/09/2024	Date of Starting:	16/09/2024
Sample Location:	D P Mess Outlet Dam Site	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.38	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	38.0	100 Max.	IS 3025(P-17)-2022
4	TSS & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (at 20°C over 5 days)	mg/l	24.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	119.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Client: M/s Hindustan Construction Co. Ltd.	Report No. AAI.WQ1-2024091042
Vishnugal Patal Kati Hydro Electric Project,	Date of Receiving: 16/09/2024
Majapur, PG-Majapur (Patal Kati)	Date of Starting: 16/09/2024
Dist. Chameli - 242 472, Uttarakhand	Date of Completion: 23/09/2024
Sample Description: Waste Water	Date of Reporting: 23/09/2024
Sample Collection Date: 11/09/2024	Sample Quantity: 2 Liter
Sample Location: D P Mess Outlet Power House	Sample Packing Condition: Plastic Bottle
	Sample Collected By: AAI

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule VI General Standards for Discharge of effluent Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.55	5.5 - 9.0	IS 3025(P-11)-2022
3	Total suspended Solids	mg/l	44.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	1.4	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD) (at 20°C/5D)	mg/l	22.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	140.0	250 Max.	IS 3025(P-58)-2023

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ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To:	Ms Hindustan Construction Co. Ltd. Vishnugad Pipal Kot Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Kot) Dist. Chameli - 242 472, Uttarakhand	Report No.	AAL WQT-20240916043
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	11/09/2024	Date of Starting:	16/09/2024
Sample Location:	Sedimentation Tank - Crusher Plant	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Into Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.51	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	29.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD ₅ @20°C/27°C)	mg/l	15.6	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	80.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHU KISHAN SHARMA
Quality Technician / Supervisor
Authorised Signatory

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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnagar Pipal Koti Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Koti) Dist. Chhatis - 242 472, Uttarakhand	Report No.:	AAL/WQT-2024016044
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	13/09/2024	Date of Starting:	16/09/2024
Sample Location:	Sedimentation Tank - Dam Site	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge into Surface Water	Testing Method
1	Colour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.62	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	40.4	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (at 20°C over 5 days)	mg/l	20.0	30 Max.	IS 3025(P-44)-2021
6	Chemical Oxygen Demand (COD)	mg/l	112.0	250 Max.	IS 3025(P-58)-2021

****End of Report****


ANURAG S. SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Client For: M/s Hindustan Construction Co. Ltd.
Vishnugal Pipal Kati Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Kati)
Dist. Champali - 242 472, Uttarakhand

Sample Description: Waste Water

Sample Collection Date: 11/09/2024

Sample Location: Sedimentation Tank - Power House

Report No.: AAL/W/24-2024/000045

Date of Receiving: 16/09/2024

Date of Starting: 16/09/2024

Date of Completion: 23/09/2024

Date of Reporting: 23/09/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Pollution) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odoorless	-	IS 3025(P-5)-2018
2	pH Value	-	7.55	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	42.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD ₅ @20°C/5D)	mg/l	18.3	30 Max.	IS 3025(P-44)-2022
6	Chemical Oxygen Demand (COD)	mg/l	91.0	250 Max.	IS 3025(P-38)-2021

****End of Report****

ASITOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnuji Lal Pipal Koli Hydro Electric Project, Mazgaon, PO-Mazgaon (Pipal Koli) Dist. Yamuna - 242 472, Uttaranchal	Report No:	AAI WQT-20240916016
Sample Description:	Waste Water	Date of Receiving:	16/09/2024
Sample Collection Date:	11/09/2024	Date of Starting:	16/09/2024
Sample Location:	WTP Plant - Inlet	Date of Completion:	21/09/2024
		Date of Reporting:	21/09/2024
		Sample Quantity:	2 Liter
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAI

TEST RESULT

S. No.	Test parameters	Unit	Results	Testing Method
1	Odour	-	Colourful	IS 3025(P-5)-2018
2	pH Value	-	7.26	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	125.0	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	4.7	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	122.0	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	376.0	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Page 1 of 1

Issued To: **Ms Hindustan Construction Co. Ltd.**
Vishnugal Prtal Kori Hydro Electric Project,
Muzapur, 193-Muzapur (Pipal Kori),
Dist. Chamba - 242 472, Uttarakhand

Report No. **AAI/W33/2024/016047**

Sample Description: **Waste Water**

Date of Receiving: **16/09/2024**

Date of Starting: **16/09/2024**

Date of Completion: **23/09/2024**

Date of Reporting: **23/09/2024**

Sample Quantity: **2 Litre**

Sample Packing Condition: **Plastic Bottle**

Sample Collected By: **AAI**

Sample Collection Date: **11/09/2024**

Sample Location: **WTP Plant - Outlet**

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Provisional Rules, 1986 Schedule-V) General Standards for Discharge Into Surface Water	Testing Method
1	Colour	-	Odeourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.70	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	27.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD ₅ at 20°C)	mg/l	16.5	30 Max.	IS 3025(P-44)-2021
6	Chemical Oxygen Demand (COD)	mg/l	89.0	250 Max.	IS 3025(P-58)-2021

****End of Report****


ANURAG SRIVASTAVA
Deputy Technical Manager
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Ambient Air Quality Monitoring



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand



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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnuji Puraj Kott Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Kott) Dist. Chumoli - 242 472, Uttarakhand	Report No.:	AAI ENV-20240930010
Sample Description:	Ambient Air Quality Monitoring (24 Hrs for the Quarter of July to September 2024)	Date of Reporting:	04/10/2024
Sampling Location:	TRT Road/Colony at Siyasin	Sampling Duration:	24 Hrs
		Sampling Done By:	AAI

TEST RESULT

S/N	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	02/09/2024	65.4	37.2	11.8	20.1
2	05/09/2024	62.3	35.5	10.2	21.7
3	09/09/2024	64.9	32.7	9.6	18.9
4	12/09/2024	67.2	36.4	13.2	19.6
5	16/09/2024	63.8	31.9	12.5	20.4
6	19/09/2024	62.5	34.2	13.6	21.5
7	23/09/2024	65.8	38.9	10.4	18.3
8	26/09/2024	64.7	36.7	11.7	22.4
	Minimum	62.3	31.9	9.6	18.3
	Maximum	67.2	38.9	13.6	22.4
	Average	64.6	35.4	11.6	20.4
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24) 2019	80 Max. IS-5182 (P-7) 2001	80 Max. IS-5182(P-6) 2006

****End of Report****


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Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Client/Co:	M/s Hindustan Construction Co. Ltd. Vishnugar Pipli Koli Hydro Electric Project, Mayapur, PO-Mayapur (Pipli) Koli Dist. Churu - 242 472, Uttarakhand	Report No.	AAL/ENV/2024090031
Sample Description:	Ambient Air Quality Monitoring (24 hrs for the duration of July to September 2024)	Date of Reporting:	04/10/2024
Sampling Location:	Power House at Haat/Harsari	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

SN	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	02/09/2024	69.6	39.8	13.0	26.9
2	05/09/2024	67.5	37.2	12.5	25.4
3	09/09/2024	65.3	36.5	10.3	29.8
4	12/09/2024	70.2	38.4	11.9	26.7
5	16/09/2024	68.9	40.1	10.8	28.1
6	19/09/2024	65.8	37.8	12.4	27.4
7	23/09/2024	69.3	36.9	10.2	24.8
8	26/09/2024	70.8	41.3	13.2	29.9
	Minimum	65.3	36.5	10.3	24.8
	Maximum	70.8	41.3	13.6	29.9
	Average	68.4	38.5	11.9	27.4
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	69 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

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ANURAG K. SRIVASTAVA
Senior Technical Manager
Authorized Signatory

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TEST REPORT

Page 1 of 1

Report No. AAL ENV-20240920032

Date of Reporting: 04/10/2024

Sampling Duration: 24 Hrs

Sampling Done By: AAL

Client: M/s Hindustan Construction Co. Ltd.
 Vashishta Pad Pipal Koti Hydro Electric Project,
 Mayapur, PO- Mayapur (Pipal Koti)
 Dist- Chhosi - 242-472, Uttarakhand

Sample Description: Ambient Air Quality Monitoring
 (24 Hrs for the Month of July to September 2024)

Sampling Location: TRT Road (Near Durgapur School)

TEST RESULT

S/N	Test Parameters → Unit →	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
	Date of Sampling ↓				
1	03/09/2024	67.6		13.2	26.2
2	06/09/2024	69.5		11.5	27.4
3	10/09/2024	73.8		12.4	25.9
4	13/09/2024	65.7		11.9	23.7
5	17/09/2024	68.4		10.3	21.9
6	20/09/2024	72.8		9.8	24.7
7	24/09/2024	64.9		11.7	19.2
8	27/09/2024	70.3		12.6	27.8
	Minimum	64.9		9.8	19.2
	Maximum	73.8		13.2	27.8
	Average	69.1		11.7	24.6
	Standards Limit (As per NAAQ) Protocol/Method	100 Max.		80 Max.	80 Max.
		IS-5182(P-23) 2006	IS-5182(P-23) 2006	IS-5182(P-2) 2001	IS-5182(P-6) 2006

End of Report


ANURAG PRAKASH
 Deputy Technical Manager
 Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:	M/s Hindustan Construction Co. Ltd. Vishnupad Pipri Kori Hydro Electric Project, Mayapur, PO-Mayapur (Pipri Kori) Dist. Champain - 242 472, Uttarakhand	Report No.:	AAL ENV-2024090033
Sample Description:	Ambient Air Quality Monitoring (7 Days From 05th to 27th September 2024)	Date of Reporting:	04/10/2024
Sampling Location:	Dam Site (Near Office)	Sampling Duration:	24 Hrs
		Sampling Done By:	AAL

TEST RESULT

S/N	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	05/09/2024	72.5	40.8	15.1	23.6
2	06/09/2024	67.3	36.8	12.5	21.5
3	10/09/2024	65.4	32.9	10.8	22.4
4	13/09/2024	66.9	30.7	11.9	24.7
5	17/09/2024	64.7	31.4	13.9	23.9
6	20/09/2024	68.9	38.9	12.7	21.7
7	24/09/2024	65.3	40.3	10.2	18.2
8	27/09/2024	62.7	33.8	9.9	26.1
	Minimum	62.7	30.7	9.9	18.5
	Maximum	72.5	40.8	15.1	26.1
	Average	66.7	35.7	12.1	22.8
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24) 2019	80 Max. IS-5182 (P-2) 2001	89 Max. IS-5182(P-6) 2006

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ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Indoor Air Quality Monitoring



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Dist. Chamoli – 242 472, Uttarakhand



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TEST REPORT

Page 1 of 1

Client To: M/s Hindustan Construction Co. Ltd.
Vohra Road Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chameli - 242 472, Uttarakhand

Report No.: AAL ENV-20240916027

Date of Reporting: 23/09/2024

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 11/09/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details

Sampling Location : Inside MAT Tunnel
Actual Time of Sampling (Hrs) : 08:00 Hrs
Airflow flow Rate for particulate matter ($m^3/minute$) : 1.20
Total Volume of air sampled for particulate matter (m^3) : 576.0

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.812	NS	NIOSH Manual 300-1994
2	Sulphur Dioxide (as SO_2)	mg/m^3	0.023	5	IS-5182 (P-2-5)-2023
3	Oxide of Nitrogen (as NO_2)	mg/m^3	0.041	6	IS-5182 (P-6)-2006
4	Carbon Monoxide (as CO)	mg/m^3	1.13	40	IS-5182 (P-10)-1999
5	Carbon Dioxide (as CO_2)	mg/m^3	1092	NS	AAL/SOENV/027/2015
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500-1994
7	Sulphur Content	ug/m^3	11.7	(50 Max. as per OSHA)	By Air APHA
8	Methane	mg/m^3	ND	(750 Max. as per OSHA)	By GC

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Deputy Technical Manager
Authorised Signatory

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Client Name: M/s Hindustan Construction Co. Ltd.
Vidhansabha Prasthiti Hydro Electric Project,
Mayapur, PO-Mayapur (Prasthiti Kati)
Dist. Chamoli - 242 472, Uttarakhand

Report No.: AAL-ENV-2024/0916/028

Date of Reporting: 22/09/2024

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 11/09/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside Adit To HRT
Actual Time of Sampling (Hrs) : 08:00 Hrs.
Average flow Rate for particulate matter (m^3 /minute) : 1.21
Total Volume of air sampled for particulate matter (m^3) : 580.8

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.728	NS	NIOSH Manual: 500-1994
2	Sulphur Dioxide ($as SO_2$)	mg/m^3	0.018	5	IS-5182 (P-2) Sep-11-2023
3	Oxide of Nitrogen ($as NO_2$)	mg/m^3	0.037	6	IS-5182 (P-6)-2006
4	Carbon Monoxide ($as CO$)	mg/m^3	1.18	40	IS-5182 (P-10)-1999
5	Carbon Dioxide ($as CO_2$)	mg/m^3	973	NS	AAL/SOP/ENV/027-2017
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500-1994
7	Silica Content	ppm^3	8.2	150 Max. as per (P-11)	B ₂ Air APHA
8	Methane	mg/m^3	ND	736 Max. as per (P-11)	B ₂ GC

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Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Client To: **M/s Hindustan Construction Co. Ltd.**
Vidhansabha Pipal Kati Hydro Electric Project,
Mayapur, PG-Mayapur (Pipal Kati)
Dist. Champain - 242 472, Uttaranchal

Sample Description: **Indoor Air Quality Monitoring**

Date of Monitoring: **12/09/2024**

Report No. **AAL ENV-20240916029**

Date of Reporting: **23/09/2024**

Sampling Done By: **AAL**

TEST RESULTS

Sampling Details:

Sampling Location : **Inside Ventilation Tunnel**

Actual Time of Sampling (Hrs) : **08:00 Hrs.**

Average flow Rate for particulate matter ($m^3/minute$) : **1.18**

Total Volume of air sampled for particulate matter (m^3) : **566.4**

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.638	NS	NIOSH Manual, 500-1994
2	Sulphur Dioxide ($as SO_2$)	mg/m^3	0.019	5	IS-5182 (P-2) Sec-1-2023
3	Oxide of Nitrogen ($as NO_2$)	mg/m^3	0.035	6	IS-5182 (P-6)-2006
4	Carbon Monoxide ($as CO$)	mg/m^3	1.22	40	IS-5182 (P-19)-1999
5	Carbon Dioxide ($as CO_2$)	mg/m^3	968	NS	AAL/ISO/ENV/027-2017
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500-1994
7	Silica Content	ug/m^3	11.2	(50 Max. ug/m^3)	By Air APHA
8	Methane	mg/m^3	ND	(750 Max. ug/m^3)	By GC

AAL/ISO/ENV/027-2017

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Vijaynagar Pipal Kot Hydro Electric Project,
Masapur, P.O-Masapur (Pipal Kot)
Dist. Chamba - 742 472, Uttarakhand

Report No.: **AAI/ENV/2024/918030**

Date of Reporting: **23/09/2024**

Sample Description: **Indoor Air Quality Monitoring**

Date of Monitoring: **12/09/2024**

Sampling Done By: **AAI**

TEST RESULTS

Sampling Details:

Sampling Location : **Inside TRT Adit Tunnel**
Actual Time of Sampling (Hrs) : **08:00 Hrs.**
Average flow Rate for particulate matter ($m^3/minute$) : **1.19**
Total Volume of air sampled for particulate matter (m^3) : **571.2**

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m ³	1.795	NS	NIOSH Manual 700-1994
2	Sulphur Dioxide (as SO ₂)	mg/m ³	0.021	5	IS-5182 (P-2) Sec-13-2023
3	Oxide of Nitrogen (as NO ₂)	mg/m ³	0.035	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m ³	1.26	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO ₂)	mg/m ³	982	NS	AAI/SOP/ENV/027-2017
6	Formaldehyde (HCHO)	mg/m ³	ND	NS	NIOSH-3500:1994
7	Silica Content	ug/m ³	10.4	150 MAX (as per OSHA)	By Air APHA
8	Methane	mg/m ³	ND	1736 MAX (as per OSHA)	By GC

AAI/ENV/2024/918030 - 09/23/2024

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TEST REPORT

Page 1 of 1

Client/Job: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koli Hydro Electric Project
Mayapur, PO Mayapur (Pipal Koli)
Dist. Chharauli - 242 472, Uttaranchal

Report No.: AAL/ENV/20240916031

Date of Reporting: 23/09/2024

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 13/09/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location: Inside DT Tunnel
Actual Time of Sampling (Hrs): 08:00 Hrs.
Average flow Rate for particulate matter (m³/minute): 1.22
Total Volume of air sampled for particulate matter (m³): 585.6

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m ³	1.846	NS	NIOSH Manual: 300-1994
2	Sulphur Dioxide (as SO ₂)	mg/m ³	0.018	2	IS-5182 (P2/Sec-1)-2023
3	Oxide of Nitrogen (as NO ₂)	mg/m ³	0.029	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m ³	1.21	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO ₂)	mg/m ³	956	NS	AAL/508/ENV/027-2017
6	Formaldehyde (HCHO)	mg/m ³	ND	NS	NIOSH-3500:1994
7	Silica Content	µg/m ³	12.8	(30 Max. as per OHS)	By Air AP11A
8	Methane	mg/m ³	ND	(736 Max. as per OHS)	By GC

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vidhangan Pipal Koti Hydro Electric Project,
Mayapur, PO: Mayapur (Pipal Koti)
Dist: Chhara - 242472, Uttarakhand

Report No.: AAL/ENV-20240916032

Date of Reporting: 23/09/2024

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 13/09/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location: Inside Ducting Chamber (DC-03) Tunnel
Actual Time of Sampling (Hrs): 08:00 Hrs.
Average flow rate for particulate matter (m³/minute): 1.19
Total Volume of air sampled for particulate matter (m³): 571.2

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m ³	1.759	NS	NIOSH Manual: 500-1994
2	Sulphur Dioxide (as SO ₂)	mg/m ³	0.017	5	IS-5182 (P-2) Sec-1 & 2023
3	Oxide of Nitrogen (as NO _x)	mg/m ³	0.032	6	IS-5182 (P-6)-2006
4	Carbon Monoxide (as CO)	mg/m ³	1.16	40	IS-5182 (P-10)-1999
5	Carbon Dioxide (as CO ₂)	mg/m ³	1019	NS	AAL/SOP/ENV/027-2017
6	Formaldehyde (HCHO)	mg/m ³	ND	NS	NIOSH-3500:1994
7	Silica Content	µg/m ³	9.8	(50 Max. $= 400 \text{ (TTS)}$	By Air APTA
8	Methane	mg/m ³	ND	(736 Max. $= 4,000 \text{ (TTS)}$	By GC

NOTE: For any further information, contact the undersigned officer and mobile number is provided in the report.

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Expiry Technical Manager
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Noise Level Monitoring



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AMBIENT NOISE



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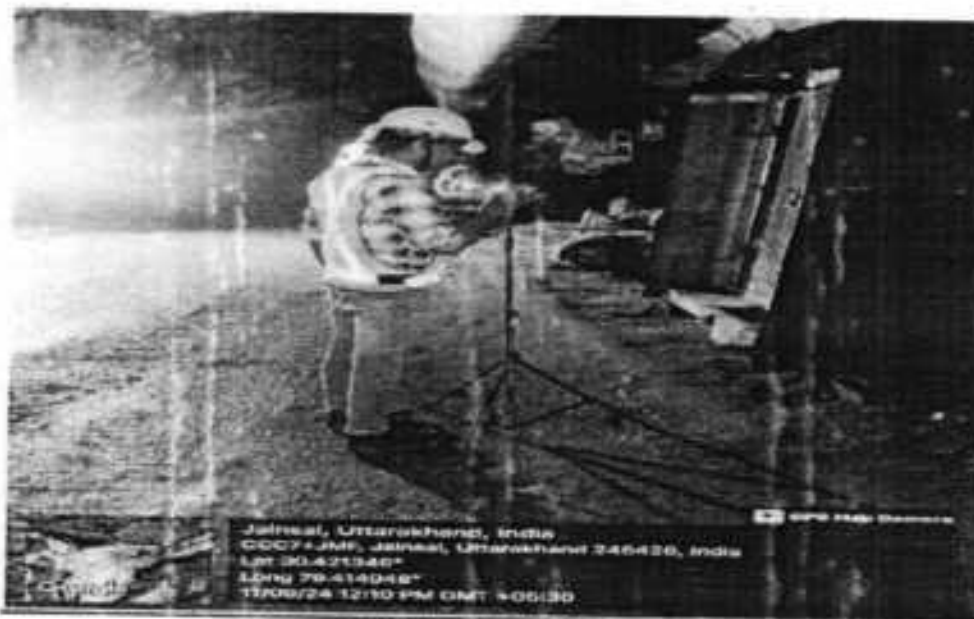


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WORKZONE NOISE



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TEST REPORT

Page 1 of 1

Client To: **M/s Hindustan Construction Co. Ltd.**
Vishnugar Pipal Koti Hydro Electric Project,
Masapur, PO-Masapur (Pipal Koti)
Dist- Chiswari - 242 472, Uttarakhand

Sample Description: **D G Noise**

Capacity of DG Set: **2000 KVA - D G No.1**

Date of Monitoring: **13/09/2024**

Report No. **AAL/PNV-20240916045**

Date of Reporting: **23/09/2024**

Sampling Done By: **AAL**

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq
1	Noise level when acoustic enclosure is open.	dB(A) Leq	99.7	-
2	Noise level when acoustic enclosure is closed at a distance of 0.5 metre	dB(A) Leq	72.8	-
	Duration Limit	dB(A) Leq	26.9	25 Min.

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Deputy Technical Manager
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TEST REPORT

Page 1 of 1

Issued To: **M/s Hindustan Construction Co. Ltd.**
Vidansal Pipal Kuti Hydro Electric Project,
Mayapur, P.O-Mayapur (Pipal Kuti)
Dist. Champi - 242 472, Uttarakhand

Report No.: **AAL ENV/2024006046**

Sample Description: **D.G Noise**

Date of Reporting: **23/09/2024**

Capacity of DG Set: **2000 KVA - D.G No.2**

Date of Monitoring: **13/09/2024**

Sampling Done By: **AAL**

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq	100.2	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter	dB(A) Leq	73.4	-
	Insertion Loss	dB(A) Leq	26.8	25 Min.

****End of Report****


ANIL KUMAR SRIVASTAVA
County Technician / Navigator
Authorised Signatory

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TEST REPORT


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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugal Pipal Kati Hydro Electric Project, Masanur, P.S.-Masanur (Pipal Kati), Dist. Chamba - 242 472, Uttarakhand	Report No.:	AAI ENV-20240916047
Sample Description:	D.G Noise	Date of Reporting:	23/09/2024
Capacity of DG Set:	2000 KVA - D.G No.3	Sampling Done By:	AAI
Date of Monitoring:	13/09/2024		

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq.	99.5	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq.	72.6	-
	Insertion Loss	dB(A) Leq.	26.9	25 Min.

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ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Client Name:	My Hindustan Construction Co. Ltd. Yashmagad Pipal Kati Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Kati) Dist. Chamba - 242 472, Uttarakhand.	Report No.:	AAL ENV-20240910/48
Sample Description:	D G Noise	Date of Reporting:	23/09/2024
Capacity of DG Set:	2000 KVA - D G No.4	Sampling Done By:	AAI
Date of Monitoring:	13/09/2024		

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq
1	Noise level when acoustic enclosure is open.	dB(A) Leq	100.5	-
2	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq	73.3	-
	Inception Level	dB(A) Leq	27.2	25 Min.

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Deputy Technical In-charge
Authorised Signatory

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Client/To: M/s Hindustan Construction Co. Ltd.
Vahmagad Pump Koti Hydro Electric Project
Masapur, PUNMasapur (Pipal Kott)
Dist. Chhatisa - 242 472, Uttarakhand

Report No.: AAL/ENV-2024/018049

Sample Description: D/G Noise

Date of Reporting: 28/09/2024

Capacity of DG Set: 1010 KVA - D/G No.5

Date of Monitoring: 13/09/2024

Sampling Done By: AAL

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq
1	Noise level when acoustic enclosure is open.	dB(A) Leq	95.8	-
2	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq	72.1	-
	Insertion Loss	dB(A) Leq	26.7	25 Min.

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Deputy Technical Manager
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Client: M/s Hindustan Construction Co. Ltd.
Vishnuji Pinal Koti Hydel Electric Project,
Mayapur, PU-Mayapur (Pinal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Ambient Noise

Date of Sampling: 10/09/2024

Report No.: AAL/ENV-20240916014

Date of Reporting: 23/09/2024


Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location			
	Near Sijon Colony	42.8	54.3	47.9
	Standards Limit (As per CPCB for Residential Area)			55 Max.

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Deputy Technical Manager
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Aarambh Pipal Kati Hydro Electric Project,
Muzapat, PO-Muzapat (Pipal Kati)
Dist. Charnoli - 242 472, Uttarakhand

Sample Description: **Noise Level Monitoring - Ambient Noise**

Date of Sampling: **10/09/2024**

Report No. **AAI-LNV-20240916015**

Date of Reporting: **23/09/2024**

Sampling Duration: **24 Hrs.**

Sampling Done By: **AAI**

TEST RESULT

S/N Test Parameters & Unit→

Noise Level - dB(A)

Sampling Location↓

Lmin

Lmax

Leq

1. Near Work Shop

58.6

69.8

61.9

Standards Limit

(As per CPCB for Industrial Area)

75 Max.

****End of Report****


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Deputy Technical Manager
Authorised Signatory

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Client/For:	M/s Hindustan Construction Co. Ltd. Vidhmagad Pipal Kori Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Kori) Dist. Chandel - 242 472, Uttarakhand	Report No.:	AAL ENV-20240916016
Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23-09-2024
Date of Sampling:	10/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Hand Road	58.2	70.7	65.8
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Issued To:	M/s Hindustan Construction Co. Ltd. Vidhwas Pipal Kott Hydric Electric Project, Mayapur, PO-Mayapur (Pipal Kott), Dist: Chumoli - 242 472, Uttarakhand	Report No.:	AAL-ENV-202409-0017
Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23/09/2024
Date of Sampling:	11/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location: Near Hazar/Harsari Village	44.3	56.9	49.5
	Standards Limit (As per CPCB for Residential Area)			55 Max.

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Deputy Technical Officer
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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chumoli - 242 472, Uttarakhand

Sample Description: **Noise Level Monitoring - Ambient Noise**

Date of Sampling: **11/09/2024**

Report No. **AAI ENV-20240916018**

Date of Reporting: **23/09/2024**

Sampling Duration: **24 Hrs**

Sampling Done By: **AAI**

TEST RESULT

SN	Test Parameters & Unit-s	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location-s Near Main Office (Haar Village)	56.6	66.2	60.3
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Deputy Technical Manager
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Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23/09/2024
Date of Sampling:	12/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAI

TEST RESULT

SN	Test Parameters & Unit-s	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location: Near Basola Village	41.3	56.9	48.2
	Standards Limit (As per CPCB for Residential Area)			55 Max.

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Masgur, P.O. Masgur (Pipal Koti)
Dist. Chamba - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Ambient Noise

Date of Sampling: 12/09/2024

Report No.: AAL/ENV/2024/0916020

Date of Reporting: 23/09/2024

Sampling Duration: 24 Hr.

Sampling Done By: AAL

TEST RESULT

SN	Test Parameters & Unit ->	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location: Near HRT & D.C Tunnel	62.5	68.4	65.3
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23/09/2024
Date of Sampling:	12/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

SN	Test Parameters & Unit-s	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location: Near Crusher Area	64.8	73.9	71.3
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Vishnugal Pipal Kothi Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Kothi)
Dist. Chamoli - 247 472, Uttarakhand

Sample Description: **Noise Level Monitoring - Ambient Noise**

Date of Sampling: **12/09/2024**

Report No. **AAI.FSV-20240916022**

Date of Reporting: **23/09/2024**

Sampling Duration: **24 Hrs.**

Sampling Done By: **AAI**

TEST RESULT

S/N	Test Parameters & Unit	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Near Boiler Section	63.4	72.5	69.8
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	21/09/2024
Date of Sampling:	12/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

S/N	Test Parameters & Unit →	Noise Level - dB(A)		
		Lmin	Lmax	Leq
	Sampling Location ↓			
	Near Main Office (Power House)	54.6	68.3	63.3
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Deputy Technical Manager
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Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23/09/2024
Date of Sampling:	13/09/2024	Sampling Duration:	24 Hrs
		Sampling Done By:	AAI

TEST RESULT

S.N	Test Parameters & Unit →	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location → Near Ditching Plain	62.8	71.5	68.1
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23/09/2024
Date of Sampling:	13/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAI

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Camp Helong	57.2	70.5	64.9
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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TEST REPORT

Page 1 of 1

Client For: **M/s Hindustan Construction Co. Ltd.**
Vishnagar Pipal Koti Hydro Electric Project,
Mazra, P.O-Misapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: **Noise Level Monitoring - Ambient Noise**

Date of Sampling: **13/09/2024**

Report No.: **AAI-ENV-20240916026**

Date of Reporting: **23/09/2024**

Sampling Duration: **24 Hrs.**

Sampling Done By: **AAI**

TEST RESULT

SN	Test Parameters & Unit →	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location ↓ Near Main Office (Dam Site)	64.7	70.2	68.4
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

****End of Report****

AGNITOSH S.R. VASTAWA
Deputy Technical Manager
Authorized Signatory

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Issued To:	M/s Hindustan Construction Co. Ltd. Vidhyapat Pipal Koti Hydro Electric Project, Miyapur, PO-Miyapur (Pipal Koti) Dist. Chamoli - 242 472, Uttarakhand	Report No.:	AAI-ENV-2024/016031
Sample Description:	Noise Level Monitoring - Work-zone Noise	Date of Reporting:	23/09/2024
Date of Sampling:	11/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAI

TEST RESULT

SN	Test Parameters & Unit	Noise Level - dBA		
		Lmin	Lmax	Leq
1	Sampling Location ↓ inside TRT Tunnel	74.6	82.4	78.2
	Standards Limit (As per OSHA, No. - 1910.95)			90 Max.

****End of Report****

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Deputy Technical Manager
Authorised Signatory

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Client For: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Kori Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Kori),
Dist. Chitwoli - 242 472, Uttaranchal

Sample Description: Noise Level Monitoring - Work-zone Noise

Date of Sampling: 11/09/2024

Report No. AAL/ENV-2024/0919/054

Date of Reporting: 23/09/2024

Sampling Duration: 24 hrs.

Sampling Done By: AAL

TEST RESULT

S.N	Test Parameters & Unit-s	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location-s inside Ventilation Tunnel	75.9	82.7	78.5
	Standards Limit (As per OSHA, No. - 1910.95)			90 Max.

****End of Report****


ANIL K. J. ERIVASTAVA
Quality Technical Manager
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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnupur Pipal Koti Hydro Electric Project, Mavapat, PO Mavapat (Pipal Koti) Dist. Chamba - 242 472, Uttarakhand	Report No. : AAL/ENV-20240910015
Sample Description:	Noise Level Monitoring - Work-zone Noise	Date of Reporting: 23/09/2024
Date of Sampling:	11/09/2024	Sampling Duration: 24 Hrs.
		Sampling Done By: AAL

TEST RESULT

SN	Test Parameters & Unit ->	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location -> Inside MAT Tunnel	72.4	82.8	76.9
	Standards Limit (As per OSHA, No. - 1910.95)			90 Max.

****End of Report****


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Deputy Technical Manager
Authorized Signatory

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Crusher Monitoring



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Page 1 of 1

Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugar Pipal Kati Hydro Electric Project, Mayapur, PG-Mayapur (Pipal Kati) Dist. Chamoli - 242 472, Uttarakhand	Report No.	AAL ENV-2024/016013
Sample Description:	Air Emission (Stone Crusher)	Date of Reporting:	23/09/2024
Date of Monitoring:	12/09/2024	Sampling Done By:	AAL

TEST RESULT

Sampling Details:

Sampling Location	:	Dam Site	
Type of Sample	:	Air Emission (Stone Crusher-Inward & Outward)	
Average flow rate for particulate matter ($m^3/minute$)	:	Inward 1.17	Outward 1.18
Total Volume of air sampled for particulate matter (m^3)	:	70.2	70.8
Sampling Duration, Minutes	:	60	60
Wind Direction	:	NNE (28°)	NE (48°)

S. No.	Test Parameter	Unit	Results			Standard Limits	Test Methods
			Inward	Outward	Final Result		
1	Suspended Particulate Matter (SPM)	$\mu g/m^3$	1284.5	1782.8	498.3	600	IS-5182(P-4) 1999

****End of Report****


ANURAG SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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M/S HINDUSTAN CONSTRUCTION CO. LTD

**Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO Mayapur (Pipal Koti)**

Distt. Chamoli, Uttarakhand-246472

HCEC

Environmental Monitoring

(JULY TO SEPTEMBER-2024)

Submitted By

ARIHANT ANALYTICAL LABORATORY PVT. LTD.

272, Phase-IV, Sec-57, HSIIDC, Kundli

Sonipat-131028 (Haryana)



Certificate

This is to certify that Environmental monitoring work carried out by M/S Arihant Analytical Laboratory Pvt. Ltd. for M/S Hindustan Construction co. Ltd. (July to September 2024). In reference to work order no. **16066669**.

The Environmental Monitoring Report is meant for internal use of your organization and to submit concern government department for official use only.

Date: 04-10-2024

For Arihant Analytical Laboratory Pvt. Ltd.



(Authorized Signatory)

SN	TITLE
1.	Executive summary
2.	Surface Water Sample
3.	Ambient Air Quality Monitoring
4.	Noise Level Monitoring
5.	Soil Sample



EXECUTIVE SUMMARY



EXECUTIVE SUMMARY REPORTS FOR ENVIRONMENTAL MONITORING

(JULY TO SEPTEMBER 2024)

DISCUSSION OF RESULTS & CONCLUSION

1.0 Surface Water:

Surface Water Quality was analysed and all parameters were found under to limits as per CPCB. Location as mentioned below.

- 500m Upstream of Quarry Area
- 500m Downstream of Quarry Area

2.0 Ambient Air Quality Monitoring

Ambient Air Quality was Monitored at Four Locations for one month for parameters Respirable Suspended Particulate Matter (PM₁₀), Fine Particulate Matter (PM_{2.5}), Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Found with in the CPCB limits.

- Near Gadi Bridge
- At Quarry Area

3.0 Noise Monitoring:

Noise Level was monitored according to CPCB standards parameters Leq and found with in the limits at 2 Locations:

- Near Gadi Bridge
- At Quarry Area

4.0 Soil Sample:

Soil Sample was done according to CPCB Standard and all the parameters were with in the limits.

- 500m Upstream of Quarry Area
- 500m Downstream of Quarry Area



Surface Water Sample



**ENVIRONMENTAL MONITORING PHOTOGRAPHS
SITE**

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Vishnugad Pipal Koti Hydro Electric Project,
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SURFACE WATER



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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugad Pipal Koti Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Koti) Dist. Chamoli - 242 472, Uttarakhand	Report No.	AAL WQT-20240916048
Sample Description:	Surface Water	Date of Receiving:	16/09/2024
Sample Collection Date:	10/09/2024	Date of Starting:	16/09/2024
Sample Location:	500m Upstream of Quarry Area	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method
				Acceptable Limit	Permissible Limit	
1	pH Value	-	7.42	6.5-8.5	No relaxation	IS 3025(P-11)-2022
2	Total Dissolved Solids	mg/l	162.0	500 Max.	2000 Max.	IS 3025(P-16)-2023
3	Chlorides (as Cl)	mg/l	15.0	250 Max.	1000 Max.	IS 3025(P-32)-1988
4	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019
5	Nitrite (as NO ₂)	mg/l	3.0	45 Max.	No relaxation	IS 3025(P-34)-1988
6	Total Alkalinity (as CaCO ₃)	mg/l	64.0	200 Max.	600 Max.	IS 3025(P-23)-2023
7	Total Hardness (as CaCO ₃)	mg/l	69.0	200 Max.	600 Max.	IS 3025(P-21)-2009
8	Total Suspended Solids	mg/l	10.0	-	-	IS 3025(P-17)-2022
9	Phosphate (as PO ₄)	mg/l	<0.5	-	-	IS 3025(P-11) Sec-1)-2022

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Sample Description:	Surface Water	Date of Receiving:	16/09/2024
Sample Collection Date:	10/09/2024	Date of Starting:	16/09/2024
Sample Location:	500m Downstream of Quarry Area	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Quantity:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAI

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method
				Acceptable Limit	Permissible Limit	
1	pH Value	-	7.45	6.5-8.5	No relaxation	IS 3025(P-11)-2022
2	Total Dissolved Solids	mg/l	175.0	500 Max.	2000 Max.	IS 3025(P-16)-2023
3	Chlorides (as Cl)	mg/l	17.0	250 Max.	1000 Max.	IS 3025(P-32)-1988
4	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-2)-2019
5	Nitrate (as NO ₃)	mg/l	3.6	45 Max.	No relaxation	IS 3025(P-34)-1988
6	Total Alkalinity (as CaCO ₃)	mg/l	70.0	200 Max.	600 Max.	IS 3025(P-23)-2023
7	Total Hardness (as CaCO ₃)	mg/l	78.0	200 Max.	600 Max.	IS 3025(P-21)-2009
8	Total Suspended Solids	mg/l	13.0	-	-	IS 3025(P-17)-2022
9	Phosphate (as PO ₄)	mg/l	<0.5	-	-	IS 3025(P-31)(Sec-1)-2022

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Ambient Air Quality Monitoring



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Ambient Air



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Sample Description:	Ambient Air Quality Monitoring (24 Hrs for the Quarter of July to September 2024)	Date of Reporting:	04/10/2024
Sampling Location:	Near Gadi Bridge	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAI.

TEST RESULT

S/N	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	04/09/2024	76.2	43.7	15.9	26.3
2	07/09/2024	70.5	36.9	14.3	25.4
3	11/09/2024	72.4	35.4	12.8	24.9
4	14/09/2024	69.2	34.2	13.2	23.8
5	18/09/2024	71.7	38.2	10.5	25.9
6	21/09/2024	65.9	32.7	11.7	26.2
7	25/09/2024	66.3	35.9	10.9	24.4
8	28/09/2024	70.2	39.4	12.8	23.5
	Minimum	65.9	32.7	10.5	23.5
	Maximum	76.2	43.7	15.9	26.3
	Average	70.3	37.1	12.8	25.1
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

****End of Report****


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Authorised Signatory

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Sample Description:	Ambient Air Quality Monitoring (24 Hrs for the Quarter of July to September 2024)	Date of Reporting:	04/10/2024
Sampling Location:	At Quarry Area	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

S/N	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	04/09/2024	67.2	42.4	14.7	25.7
2	07/09/2024	65.7	40.9	13.2	23.9
3	11/09/2024	62.4	41.7	10.8	26.2
4	14/09/2024	72.3	38.8	13.5	28.4
5	18/09/2024	69.2	37.2	14.8	24.7
6	21/09/2024	68.5	41.9	10.3	21.9
7	25/09/2024	73.6	43.3	9.8	27.8
8	28/09/2024	75.8	36.9	12.5	22.4
	Minimum	62.4	36.9	9.8	21.9
	Maximum	75.8	43.3	14.8	28.4
	Average	69.3	40.4	12.5	25.1
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

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Noise Level Monitoring



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Dist. Chamoli – 242 472, Uttarakhand



Ambient Noise



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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: **Noise Level Monitoring - Ambient Noise**

Date of Sampling: 14/09/2024

Report No. AAL WQT-20240916051

Date of Reporting: 23/09/2024


Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit →	Noise Level - dB(A)		
	Sampling Location ↓	Lmin	Lmax	Leq
1	Near Gadi Bridge	45.3	54.4	48.5
	Standards Limit (As per CPCB for Residential Area)			55 Max.

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TEST REPORT

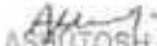
Page 1 of 1

Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugad Pipal Kori Hydro Electric Project, Mayapur, PG-Mayapur (Pipal Kori) Dist. Chamoli - 242 472, Uttarakhand	Report No.	AAL WQT-20240916052
Sample Description:	Noise Level Monitoring - Ambient Noise	Date of Reporting:	23/09/2024
Date of Sampling:	14/09/2024	Sampling Duration:	24 Hrs.
		Sampling Done By:	AAL

TEST RESULT

SN	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ AT Quarry Area	44.6	53.6	50.8
	Standards Limit (As per CPCB for Residential Area)			55 Max.

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Soil Sample



**ENVIRONMENTAL MONITORING PHOTOGRAPHS
SITE**

**M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand**



SOIL SAMPLE



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KUNDLI SONIPAT, HARYANA
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TEST REPORT

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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugad Pipal Koti Hydro Electric Project, Mayapur, PO-Mayapur (Pipal Koti) Dist. Chumoli - 242 472, Uttarakhand	Report No.	AAI ENV-20240916036
Sample Description:	Soil	Date of Receiving:	16/09/2024
Sample Collection Date:	14/09/2024	Date of Starting:	16/09/2024
Sample Location:	500m Upstream of Quarry Area	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Qty.	2 Kgs.
		Sample Packing Condition:	Polysthene Bag
		Sample Collected By:	AAI.

TEST RESULT

S.No.	Test Parameters	Unit	Results	Test Method
1	pH (1:2 Suspension)	-	7.36	IS 2720(P-26)-1987
2	Electrical Conductivity	µS/cm	384	IS 2720(P-21)-1977
3	Texture	-	Silty Sandy	IS 2720(P-4)-1985
4	Sulphate (as SO ₄)	%	0.068	IS 2720(P-27)-1977
5	Nitrate (as NO ₃)	mg/kg	ND	AAI/SOP/ENV/010-L
6	Alkalinity	%	0.072	AAI/SOP/ENV/010-J
7	Phosphate (as PO ₄)	%	0.048	EUSEPA 6010 C-2000

****End of Report****


ASHU TOSHI SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To:	M/s Hindustan Construction Co. Ltd. Vishnugad Pipal Koti Hydro Electric Project, Mayapur, PU-Mayapur (Pipal Koti) Dist. Chamoli - 242 472, Uttarakhand	Report No.	AAL ENV-20240916037
Sample Description:	Soil	Date of Receiving:	16/09/2024
Sample Collection Date:	14/09/2024	Date of Starting:	16/09/2024
Sample Location:	500m Downstream of Quarry Area	Date of Completion:	23/09/2024
		Date of Reporting:	23/09/2024
		Sample Qty.	2 Kgs.
		Sample Packing Condition:	Polythene Bag
		Sample Collected By:	AAL

TEST RESULT

S. No.	Test Parameters	Unit	Results	Test Method
1	pH (1:2 Suspension)	-	7.68	IS 2720(P-26)-1987
2	Electrical Conductivity	µS/cm	335	IS 2720(P-21)-1977
3	Texture	-	Silty Sandy	IS 2720(P-4)-1985
4	Sulphate (as SO ₄)	%	0.076	IS 2720(P-27)-1977
5	Nitrate (as NO ₃)	mg/kg	ND	AAL/SOP/ENV/010-L
6	Alkalinity	%	0.084	AAL/SOP/ENV/010-I
7	Phosphate (as PO ₄)	%	0.064	USEPA 6010 C-2000

****End of Report****

AKHIL TOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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M/S HINDUSTAN CONSTRUCTION CO. LTD

**Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO Mayapur (Pipal Koti)**

Distt. Chamoli, Uttarakhand-246472

HCC

Environmental Monitoring

(APRIL TO JUNE-2024)

Submitted By

ARIHANT ANALYTICAL LABORATORY PVT. LTD.

272, Phase-IV, Sec-57, HSIIDC, Kundli

Sonipat-131028 (Haryana)



Certificate

This is to certify that Environmental monitoring work carried out by M/S Arihant Analytical Laboratory Pvt. Ltd. for M/S Hindustan Construction co. Ltd. (April to June 2024). In reference to work order no. **16066669**.

The Environmental Monitoring Report is meant for internal use of your organization and to submit concern government department for official use only.

Date: 5/7/2024

For Arihant Analytical Laboratory Pvt. Ltd.


(Authorized Signatory)

S N	TITLE
1.	Executive summary
2.	Drinking Water Sample
3.	Stack Emission
4.	Waste Water Sample
5.	Ambient Air Quality Monitoring
6.	Indoor Air Quality Monitoring
7.	Noise Level Monitoring
8.	Crusher Monitoring



EXECUTIVE SUMMARY



EXECUTIVE SUMMARY REPORTS FOR ENVIRONMENTAL MONITORING

(JAN TO MAR 2024)

DISCUSSION OF RESULTS & CONCLUSION

1.0 Drinking Water:

Drinking water Quality was analysed and parameters were found as per IS 10500:2012 Drinking water specification. Drinking water was monitored at following 6 locations:

- Dam Sites Mess (B-2)
- Near Office Dam Site
- DP Mess Power House
- Office Pantry (Power House)
- PR WA Camp (Batula-2)
- Mess (Power House)

2.0 Stack Emission (DG & Boiler):

Stack Emission was monitored for DG Sets & Boiler Stack. All the results were found with the prescribe limits as per CPCB Guidelines.

- DG No. 1(2000 KVA)
- DG No. 2(2000 KVA)
- DG No. 3(2000 KVA)
- DG No. 4(2000 KVA)
- DG No. 5(1010 KVA)
- Boiler Stack (850 kg/hr.)

3.0 Waste water (ETP Outlet):

Effluent water Quality was analysed and all parameters were found under to limits as per CPCB. Location as mentioned below.

- Batching Plant Dam Site
- Batching Plant Near Casting Yard
- Batching Plant Power House
- DP Mess Outlet Dam Site
- DP Mess Outlet Power House
- Sedimentation Tank- Crusher Plant
- Sedimentation Tank-Dam Site
- Sedimentation Tank-Power House
- WTP Plant-Inlet
- WTP Plant-Outlet



4.0 Ambient Air Quality Monitoring

Ambient Air Quality was Monitored at Four Locations for one month for parameters Respirable Suspended Particulate Matter (PM₁₀), Fine Particulate Matter (PM_{2.5}), Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Found with in the CPCB limits.

- TRT Road (Near Durgapur School)
- TRT Road/Colony at Siyasin
- Power House at Haat/Harsari
- Dam Site (Near Office)

5.0 Indoor Air Quality Monitoring

Indoor air quality was monitoring parameters Suspended Particulate Matter (SPM), Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Carbon Dioxide (CO₂), Carbon Monoxide (CO), Silica Contents (SiO₂), Formaldehyde (HCHO), Methane (CH₄) and Found within the limits at 6 Locations.

- Insite Adit to HRT
- Inside TRT Adit Tunnel
- Inside MAT Tunnel
- Inside DT Tunnel
- Inside to Desilting Chamber (DC-3) Tunnel
- Inside Ventilation Tunnel

6.0 Noise Monitoring:

Noise Level was monitored according to CPCB standards parameters Leq and found with in the limits at 21 Locations:

- 2000 KVA-DG No.1
- 2000 KVA-DG No.2
- 2000 KVA-DG No.3
- 2000 KVA-DG No.4
- 1010 KVA-DG No.5
- Inside TRT Tunnel
- Inside Ventilation Tunnel
- Inside MAT Tunnel
- Near Batula Village
- Near Siyasin Colony
- Near Haat/Harsari Village
- Near HRT & DC Tunnel
- Near Crusher Area
- Near Main Office (Haat Village)
- Near Main Office (Dam Site)
- Near Camp Helong
- Near Boiler Section
- Near Workshop
- Near Main Office (Power House)



- Near Batching Plant
- Near Haul Road

7.0 Crusher Monitoring

Crusher Monitoring was done according to CPCB Standard and all the parameters were within the limits.

- Air Emission (Stone Crusher)



Drinking Water Sample



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand



DRINKING WATER



DRINKING WATER

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Drinking Water**, was received.

Sample Collection Date: 20/06/2024

Sample Location: Dam Site Mess (B-2)

Report No. AAL WQT-20240624008

Date of Receiving: 24/06/2024
Date of Starting: 24/06/2024
Date of Completion: 29/06/2024
Date of Reporting: 29/06/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Sterilized Bottle
Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.46	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	147.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	ND _(0.05-0.01)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND _(0.05-0.5)	0.5 Max.	No relaxation	IS 3025(P-34)-1988	Yes
9	Anionic Detergent (as anion)	mg/l	ND _(0.05-0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND _(0.05-0.5)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND _(0.05-0.5)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
12	Calcium (as Ca)	mg/l	17.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chlorides (as Cl)	mg/l	13.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	ND _(0.05-0.01)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 4500-F D	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
17	Magnesium (as Mg)	mg/l	7.1	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
18	Manganese (as Mn)	mg/l	ND _(0.05-0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
20	Phenolic Compound (as Caem)	mg/l	ND _(0.05-0.001)	0.001 Max.	0.002 Max.	IS 3025(P-43/Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	8.6	200 Max.	400 Max.	IS 3025(P-24/Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	68.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	72.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	ND _(0.05-0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
26	Cadmium (as Cd)	mg/l	ND _(0.05-0.002)	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
27	Lead (as Pb)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Nickel (Ni)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
29	Mercury (as Hg)	mg/l	ND _(0.05-0.001)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	ND _(0.05-0.01)	0.07 Max.	No relaxation	APHA 3111 D	Yes
31	Total Arsenic (as As)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	ND _(0.05-0.01)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
33	E.Coli	Per 100ml	Absent	Should not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Should not be detectable in any 100 ml sample		IS 15185-2016	Yes

ND = Not Detectable, 0.05 = Detection Limit

Remark: The above tested parameters meet the requirement of IS: 10500-2012.

****End of Report****

Vinay Dixit
(Microbiologist)

ASRUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Drinking Water**, was received.

Sample Collection Date: 20/06/2024

Sample Location: Near Office (Dam Site)

Report No. AAL WQT-20240624009

Date of Receiving: 24/06/2024
Date of Starting: 24/06/2024
Date of Completion: 29/06/2024
Date of Reporting: 29/06/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Sterilized Bottle
Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.20	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	215.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	ND _(0.05-0.05)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND _(0.5-0.5)	0.5 Max.	No relaxation	IS 3025(P-34)1988	Yes
9	Anionic Detergent (as SDS)	mg/l	ND _(0.2-0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND _(0.5-0.5)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND _(0.5-0.5)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
12	Calcium (as Ca)	mg/l	40.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chlorides (as Cl)	mg/l	16.5	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	ND _(0.05-0.05)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
15	Fluoride (as F)	mg/l	0.26	1 Max.	1.5 Max.	APHA 4500-F D	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
17	Magnesium (as Mg)	mg/l	10.1	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
18	Manganese (as Mn)	mg/l	ND _(0.05-0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
19	Nitrate (as NO ₃)	mg/l	5.3	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
20	Phenolic Compound (as CaCO ₃)	mg/l	ND _(0.001-0.001)	0.001 Max.	0.002 Max.	IS 3025(P-43)Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	ND _(0.01-0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	22.0	200 Max.	400 Max.	IS 3025(P-24)Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	138.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	142.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	ND _(0.05-0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
26	Cadmium (as Cd)	mg/l	ND _(0.001-0.001)	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
27	Lead (as Pb)	mg/l	ND _(0.01-0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Nickel (Ni)	mg/l	ND _(0.01-0.01)	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
29	Mercury (as Hg)	mg/l	ND _(0.001-0.001)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	ND _(0.01-0.01)	0.07 Max.	No relaxation	APHA 3111 D	Yes
31	Total Arsenic (as As)	mg/l	ND _(0.01-0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	ND _(0.05-0.05)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
33	E.Coli	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes

ND = Not Detectable, DL = Detection Limit

Remark: The above tested parameters meet the requirement of IS: 10500-2012.

****End of Report****


Vinay Dixit
(Microbiologist)


ANURAG SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Drinking Water**, was received.

Sample Collection Date: 21/06/2024

Sample Location: Mess (Power House)

Report No. AAL WQT-20240624010

Date of Receiving: 24/06/2024
Date of Starting: 24/06/2024
Date of Completion: 29/06/2024
Date of Reporting: 29/06/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Sterilized Bottle
Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.25	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	152.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	ND _(DL=0.05)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND _(DL=0.5)	0.5 Max.	No relaxation	IS 3025(P-34)-1988	Yes
9	Anionic Detergent (as SDBS)	mg/l	ND _(DL=0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND _(DL=0.1)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND _(DL=0.2)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
12	Calcium (as Ca)	mg/l	16.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chlorides (as Cl)	mg/l	15.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	ND _(DL=0.05)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 4500-F D	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
17	Magnesium (as Mg)	mg/l	7.9	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
18	Manganese (as Mn)	mg/l	ND _(DL=0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
20	Phenolic Compound (as C ₁₂ H ₁₀ O)	mg/l	ND _(DL=0.001)	0.001 Max.	0.002 Max.	IS 3025(P-43/Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	7.0	200 Max.	400 Max.	IS 3025(P-24/Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	68.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	73.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	ND _(DL=0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
26	Cadmium (as Cd)	mg/l	ND _(DL=0.002)	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
27	Lead (as Pb)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Nickel (Ni)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
29	Mercury (as Hg)	mg/l	ND _(DL=0.001)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	ND _(DL=0.01)	0.07 Max.	No relaxation	APHA 3111 D	Yes
31	Total Arsenic (as As)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	ND _(DL=0.05)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
33	E.Coli	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes

ND = Not Detected, DL = Detection Limit

Remark: The above tested parameters meet the requirement of IS: 10500-2012.

****End of Report****

Vinay Dixit
(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Assistant
Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Drinking Water**, was received.

Sample Collection Date: 21/06/2024

Sample Location: Office Pantry (Power House)

Report No. AAL WQT-20240624011

Date of Receiving: 24/06/2024
Date of Starting: 24/06/2024
Date of Completion: 29/06/2024
Date of Reporting: 29/06/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Sterilized Bottle
Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.21	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	109.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	ND _(DL=0.1)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND _(DL=0.5)	0.5 Max.	No relaxation	IS 3025(P-34)1988	Yes
9	Anionic Detergent (as SOD)	mg/l	ND _(DL=0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND _(DL=0.5)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND _(DL=0.5)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
12	Calcium (as Ca)	mg/l	10.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chlorides (as Cl)	mg/l	9.5	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	ND _(DL=0.05)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 4500-F D	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
17	Magnesium (as Mg)	mg/l	7.0	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
18	Manganese (as Mn)	mg/l	ND _(DL=0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
20	Phenolic Compound (as C ₁₂ H ₁₀ O)	mg/l	ND _(DL=0.001)	0.001 Max.	0.002 Max.	IS 3025(P-43/Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	ND _(DL=0.05)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	2.4	200 Max.	400 Max.	IS 3025(P-24/Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	51.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	54.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	ND _(DL=0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
26	Cadmium (as Cd)	mg/l	ND _(DL=0.005)	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
27	Lead (as Pb)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Nickel (Ni)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
29	Mercury (as Hg)	mg/l	ND _(DL=0.001)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	ND _(DL=0.05)	0.07 Max.	No relaxation	APHA 3111 D	Yes
31	Total Arsenic (as As)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	ND _(DL=0.05)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
33	E.Coli	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes

ND - Not Detected, DL - Detection Limit

Remark: The above tested parameters meet the requirement of IS: 10500-2012.

****End of Report****

Vinay Dixit
(Microbiologist)

ANANTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Drinking Water**, was received.

Sample Collection Date: 21/06/2024

Sample Location: PR WA Camp (Batula-2)

Report No. AAL WQT-20240624012

Date of Receiving: 24/06/2024
Date of Starting: 24/06/2024
Date of Completion: 29/06/2024
Date of Reporting: 29/06/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Sterilized Bottle
Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.16	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	178.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	ND _(0.05-0.1)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND _(0.05-0.1)	0.5 Max.	No relaxation	IS 3025(P-34)1988	Yes
9	Anionic Detergent (as SDBS)	mg/l	ND _(0.1-0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND _(0.1-0.1)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND _(0.1-0.1)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
12	Calcium (as Ca)	mg/l	20.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chlorides (as Cl)	mg/l	15.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	ND _(0.05-0.05)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
15	Fluoride (as F)	mg/l	0.19	1 Max.	1.5 Max.	APHA 4500-F D	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
17	Magnesium (as Mg)	mg/l	7.7	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
18	Manganese (as Mn)	mg/l	ND _(0.05-0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
19	Nitrate (as NO ₃)	mg/l	3.4	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
20	Phenolic Compound (as CaO ₂)	mg/l	ND _(0.05-0.05)	0.001 Max.	0.002 Max.	IS 3025(P-43/Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	ND _(0.05-0.05)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	9.0	200 Max.	400 Max.	IS 3025(P-24/Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	75.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	82.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	ND _(0.1-0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
26	Cadmium (as Cd)	mg/l	ND _(0.1-0.05)	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
27	Lead (as Pb)	mg/l	ND _(0.1-0.05)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Nickel (Ni)	mg/l	ND _(0.1-0.05)	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
29	Mercury (as Hg)	mg/l	ND _(0.1-0.05)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	ND _(0.1-0.05)	0.07 Max.	No relaxation	APHA 3111 D	Yes
31	Total Arsenic (as As)	mg/l	ND _(0.1-0.05)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	ND _(0.1-0.05)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
33	E.Coli	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes

ND = Not Detected, BL = Below Limit

Remark: The above tested parameters meet the requirement of IS: 10500-2012.

****End of Report****

Vinay Dixit
(Microbiologist)

ANIL KUMAR SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Drinking Water**, was received.

Sample Collection Date: 21/06/2024

Sample Location: DP Mess Power House

Report No. AAL.WQT-20240624013

Date of Receiving: 24/06/2024
Date of Starting: 24/06/2024
Date of Completion: 29/06/2024
Date of Reporting: 29/06/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Sterilized Bottle
Sample Collected By: AAL

TEST RESULTS

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	pH Value	-	7.19	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
6	Total Dissolved Solids	mg/l	166.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminium (as Al)	mg/l	ND _(0.05-0.01)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND _(0.05-0.1)	0.5 Max.	No relaxation	IS 3025(P-34)-1988	Yes
9	Anionic Detergent (as SDS)	mg/l	ND _(0.05-0.1)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND _(0.05-0.1)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND _(0.05-0.1)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
12	Calcium (as Ca)	mg/l	18.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chlorides (as Cl)	mg/l	14.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
14	Copper (as Cu)	mg/l	ND _(0.05-0.01)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
15	Fluoride (as F)	mg/l	<0.1	1 Max.	1.5 Max.	APHA 4500-F D	Yes
16	Iron (as Fe)	mg/l	<0.1	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
17	Magnesium (as Mg)	mg/l	7.2	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
18	Manganese (as Mn)	mg/l	ND _(0.05-0.01)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
19	Nitrate (as NO ₃)	mg/l	<1.0	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
20	Phenolic Compound (as C ₆ H ₅ OH)	mg/l	ND _(0.05-0.01)	0.001 Max.	0.002 Max.	IS 3025(P-43/Sec-1)-2022	Yes
21	Selenium (as Se)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
22	Sulphate (as SO ₄)	mg/l	8.0	200 Max.	400 Max.	IS 3025(P-24/Sec-1)-2022	Yes
23	Total Alkalinity (as CaCO ₃)	mg/l	70.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
24	Total Hardness (as CaCO ₃)	mg/l	75.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
25	Zinc (as Zn)	mg/l	ND _(0.05-0.01)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
26	Cadmium (as Cd)	mg/l	ND _(0.05-0.01)	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
27	Lead (as Pb)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Nickel (Ni)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
29	Mercury (as Hg)	mg/l	ND _(0.05-0.01)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
30	Molybdenum (as Mo)	mg/l	ND _(0.05-0.01)	0.07 Max.	No relaxation	APHA 3111 D	Yes
31	Total Arsenic (as As)	mg/l	ND _(0.05-0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
32	Total Chromium (as Cr)	mg/l	ND _(0.05-0.01)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
33	E.Coli	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes
34	Total Coliform	Per 100ml	Absent	Shall not be detectable in any 100 ml sample		IS 15185-2016	Yes

ND = Not Detectable, 0.01 Minimum Limit

Remark: The above tested parameters meet the requirement of IS: 10500-2012.

****End of Report****

Vinay Dixit
(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Stack Emission Monitoring



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand



STACK EMISSION



STACK EMISSION

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Report No. AAL ENV-20240624042

Date of Reporting: 29/06/2024

Sample Description: D G Stack Emission

Date of Monitoring: 20/06/2024

Sampling Done By: AAL

TEST RESULT

Plant/Section : D G Section
Stack Identification : Stack Attached to D G
Source of Emission : D G Set
Capacity : 2000 KVA - D G No.1
Type of Stack : Metal
Diameter of Stack : 12"
Height of Stack from Ground Level : 12.5m
Height from Roof Level : -
Height at Which Sampling Port : 6m
Product Manufacturing : Construction Works
Type of Fuel Used : HSD
Normal Operating Schedule : As per requirement
Duration of Monitoring : 45 min.
Emission Control (if any) : Nil

Observations
Ambient Temperature (°C) : 30
Stack Temperature (°C) : 372
Velocity (m/s) : 15.39
Quantity of emission (Nm³/hr.) : 1761.27

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	46.34	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	184.90	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	54.42	150	IS 13270- 1992
4	Non Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	30.15	100	AAL/SOP/ENV/032

CPCB-Central Pollution Control Board

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Report No. AAL ENV-20240624043

Date of Reporting: 29/06/2024

Sample Description: D G Stack Emission

Date of Monitoring: 20/06/2024

Sampling Done By: AAL

TEST RESULT


Plant/Section : D G Section
Stack Identification : Stack Attached to D G
Source of Emission : D G Set
Capacity : 2000 KVA - D G No.2
Type of Stack : Metal
Diameter of Stack : 12"
Height of Stack from Ground Level : 12.5m
Height from Roof Level : -
Height at Which Sampling Port : 6m
Product Manufacturing : Construction Works
Type of Fuel Used : HSD
Normal Operating Schedule : As per requirement
Duration of Monitoring : 45 min.
Emission Control (if any) : Nil

Observations
Ambient Temperature (°C) : 30
Stack Temperature (°C) : 359
Velocity (m/s) : 14.57
Quantity of emission (Nm³/hr.) : 1702.73

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	42.62	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	187.24	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	53.82	150	IS 13270-1992
4	Non Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	26.54	100	AAL/SOP/ENV/032

CPCB-Central Pollution Control Board

****End of Report****


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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Report No. AAL ENV-20240624044

Date of Reporting: 29/06/2024

Sample Description: D G Stack Emission

Date of Monitoring: 20/06/2024

Sampling Done By: AAL

TEST RESULT

Plant/Section : D G Section
Stack Identification : Stack Attached to D G
Source of Emission : D G Set
Capacity : 2000 KVA - D G No.3
Type of Stack : Metal
Diameter of Stack : 12"
Height of Stack from Ground Level : 12.5m
Height from Roof Level : -
Height at Which Sampling Port : 6m
Product Manufacturing : Construction Works
Type of Fuel Used : HSD
Normal Operating Schedule : As per requirement
Duration of Monitoring : 45 min.
Emission Control (if any) : Nil

Observations
Ambient Temperature (°C) : 30
Stack Temperature (°C) : 365
Velocity (m/s) : 15.06
Quantity of emission (Nm³/hr.) : 1742.72

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	45.20	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	175.45	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15%O ₂	mg/Nm ³	55.12	150	IS 13270- 1992
4	Non Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	25.24	100	AAL/SOP/ENV/032

CPCB-Central Pollution Control Board

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Ashu
ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Dist. Chamoli – 242 472, Uttarakhand

Report No. AAL ENV-20240624045

Date of Reporting: 29/06/2024

Sample Description: D G Stack Emission

Date of Monitoring: 20/06/2024

Sampling Done By: AAL

TEST RESULT

Plant/Section : D G Section
Stack Identification : Stack Attached to D G
Source of Emission : D G Set
Capacity : 2000 KVA - D G No.4
Type of Stack : Metal
Diameter of Stack : 12"
Height of Stack from Ground Level : 12.5m
Height from Roof Level : -
Height at Which Sampling Port : 6m
Product Manufacturing : Construction Works
Type of Fuel Used : HSD
Normal Operating Schedule : As per requirement
Duration of Monitoring : 45 min.
Emission Control (if any) : Nil

Observations

Ambient Temperature (°C) : 30
Stack Temperature (°C) : 369
Velocity (m/s) : 15.11
Quantity of emission (Nm³/hr.) : 1737.29

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	44.75	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	180.63	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	45.28	150	IS 13270- 1992
4	Non Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	27.14	100	AAL/SOP/ENV/032

CPCB-Central Pollution Control Board

****End of Report****


ANIL KUMAR SRIVASTAVA
Deputy Technical Manager
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Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Report No. AAL ENV-20240624046

Date of Reporting: 29/06/2024

Sample Description: D G Stack Emission

Date of Monitoring: 20/06/2024

Sampling Done By: AAL

TEST RESULT

Plant/Section : D G Section
Stack Identification : Stack Attached to D G
Source of Emission : D G Set
Capacity : 1010 KVA - D G No.5
Type of Stack : Metal
Diameter of Stack : 12"
Height of Stack from Ground Level : 12.5m
Height from Roof Level : -
Height at Which Sampling Port : 6m
Product Manufacturing : Construction Works
Type of Fuel Used : HSD
Normal Operating Schedule : As per requirement
Duration of Monitoring : 45 min.
Emission Control (if any) : Nil

Observations

Ambient Temperature (°C) : 30
Stack Temperature (°C) : 323
Velocity (m/s) : 14.15
Quantity of emission (Nm³/hr.) : 1753.40

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM) At 15% O ₂	mg/Nm ³	48.38	75	IS 11255(P-1)-1985
2	Oxide of Nitrogen (as NO _x) At 15% O ₂	ppmv	182.54	710	IS 11255(P-7)-2005
3	Carbon Monoxide (as CO) At 15% O ₂	mg/Nm ³	56.32	150	IS 13270- 1992
4	Non Methane Hydrocarbon (as C) At 15% O ₂	mg/Nm ³	28.65	100	AAL/SOP/ENV/032

CPCB-Central Pollution Control Board

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Dist. Chamoli – 242 472, Uttarakhand

Report No. AAL ENV-20240624047

Date of Reporting: 29/06/2024

Sample Description: Boiler Stack Emission

Date of Monitoring: 20/06/2024

Sampling Done By: AAL

TEST RESULT

Plant/Section : Boiler Section
 Stack Identification : Stack attached to Boiler
 Source of Emission : Boiler Stack
 Capacity : 850 Kg/Hr.
 Type of Stack : Metal
 Diameter of Stack : 0.5m
 Height of Stack from Ground Level : 30m
 Height from Roof Level : -
 Height at Which Sampling Port : 10m
 Product Manufacturing : Construction Works
 Type of Fuel Used : HSD
 Normal Operating Schedule : As per requirement
 Duration of Monitoring : 45 min.
 Emission Control (if any) : -

Observations
 Ambient Temperature (°C) : 30
 Stack Temperature (°C) : 152
 Average Stack Velocity (m/s) : 10.33
 Quantity of emission (Nm³/sec.) : 1.38

S. No.	Test Parameter	Unit	Results	Limits as per CPCB Guidelines	Test Methods
1	Particulate Matter (as PM)	mg/Nm ³	47.18	500	IS 11255(P-1)-1985
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	14.10	NS	IS 11255(P-2)-1985
3	Oxide of Nitrogen (as NO _x)	mg/Nm ³	82.29	NS	IS 11255(P-7)-2005
4	Carbon Monoxide (as CO)	%v/v	0.1	1.0	IS 13270-1992

****End of Report****

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 Deputy Technical Manager
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Waste Water Sample



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
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WASTE WATER



WASTE WATER

CONDUCTED BY
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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 20/06/2024

Sample Location: **Batching Plant Dam Site**

Report No. AAL WQT-20240624016

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour:	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.56	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	31.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	19.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	80.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishmagad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 19/06/2024

Sample Location: Batching Plant Near Casting Yard

Report No.: AAL WQT-20240624017

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.59	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	36.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD ₅ - 1 day at 20°C)	mg/l	22.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	117.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


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Deputy Technical Manager
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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 19/06/2024

Sample Location: **Batching Plant Power House**

Report No. AAL WQT-20240624018

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.48	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	24.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD) - 5 days at 20°C	mg/l	12.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	78.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 20/06/2024

Sample Location: D P Mess Outlet Dam Site

Report No. AAL WQT-20240624019

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.34	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	43.5	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	22.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	124.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Officer
Authorised Signatory

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Vishnugad Pipal Koti Hydro Electric Project,
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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 21/06/2024

Sample Location: D P Mess Outlet Power House

Report No.: AAL WQT-20240624020

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.63	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	49.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	1.6	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	24.5	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	171.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ANURAG SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 19/06/2024

Sample Location: Sedimentation Tank - Crusher Plant

Report No. AAL WQT-20240624021

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.45	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	25.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	14.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	77.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 20/06/2024

Sample Location: Sedimentation Tank – Dam Site

Report No. AAL WQT-20240624022

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Colour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.59	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	37.5	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD – 3 days at 20°C)	mg/l	17.5	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	81.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


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Vishmagad Pipal Koti Hydro Electric Project,
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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 19/06/2024

Sample Location: Sedimentation Tank - Power House

Report No. AAL WQT-20240624023

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.62	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	46.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	20.5	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	98.0	250 Max.	IS 3025(P-58)-2023

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Deputy Technical Manager
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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 20/06/2024

Sample Location: WTP Plant - Inlet

Report No. AAL WQT-20240624024

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Testing Method
1	Odour	-	Odourful	IS 3025(P-5)-2018
2	pH Value	-	7.22	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	138.0	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	5.3	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 3 days at 27°C)	mg/l	130.0	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	392.0	IS 3025(P-58)-2023

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Deputy Technical Manager
Authorised Signatory

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Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: One sample described as **Waste Water**, was received.

Sample Collection Date: 26/06/2024

Sample Location: WTP Plant - Outlet

Report No. AAL WQT-20240624025

Date of Receiving: 24/06/2024

Date of Starting: 24/06/2024

Date of Completion: 29/06/2024

Date of Reporting: 29/06/2024

Sample Quantity: 2 Litre

Sample Packing Condition: Plastic Bottle

Sample Collected By: AAL

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Testing Method
1	Odour	-	Odourless	-	IS 3025(P-5)-2018
2	pH Value	-	7.82	5.5 - 9.0	IS 3025(P-11)-2022
3	Total Suspended Solids	mg/l	31.0	100 Max.	IS 3025(P-17)-2022
4	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
5	Biochemical Oxygen Demand (BOD - 5 days at 20°C)	mg/l	15.0	30 Max.	IS 3025(P-44)-2023
6	Chemical Oxygen Demand (COD)	mg/l	83.0	250 Max.	IS 3025(P-58)-2023

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Ambient Air Quality Monitoring



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti) -
Dist. Chamoli - 242 472, Uttarakhand

Report No. AAL ENV-20240702003

Date of Reporting: 05/07/2024

Sample Description: Ambient Air Quality Monitoring
(24 Hrs for the Quarter of April to June 2024)

Sampling Duration: 24 Hrs.

Sampling Location: TRT Road (Near Durgapur School)

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters → Unit→ Date of Sampling↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	05/06/2024	70.8	38.9	15.6	28.3
2	08/06/2024	64.9	33.4	10.9	23.4
3	12/06/2024	72.9	37.8	13.2	24.9
4	15/06/2024	66.3	44.6	14.4	22.3
5	19/06/2024	78.9	38.1	10.4	23.4
6	22/06/2024	76.9	40.2	15.1	19.3
7	26/06/2024	78.4	36.3	10.6	20.9
8	29/06/2024	73.9	38.9	11.8	18.2
	Minimum	64.9	33.4	10.4	18.2
	Maximum	78.9	44.6	15.6	28.3
	Average	72.9	38.5	12.8	22.6
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

****End of Report****

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Ambient Air Quality Monitoring
(24 Hrs for the Quarter of April to June 2024)

Sampling Location: TRT Road/Colony at Siyasin

Report No. AAL ENV-20240702001

Date of Reporting: 05/07/2024


Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	04/06/2024	66.3	35.2	10.8	18.7
2	07/06/2024	68.9	37.4	11.5	19.4
3	11/06/2024	65.4	34.9	10.6	21.2
4	14/06/2024	68.4	36.8	12.7	24.5
5	18/06/2024	60.3	39.5	11.3	23.8
6	21/06/2024	62.7	33.4	12.7	20.8
7	25/06/2024	64.9	37.8	10.2	17.9
8	28/06/2024	66.3	35.4	11.9	21.4
	Minimum	60.3	33.4	10.2	17.9
	Maximum	68.9	39.5	12.7	24.5
	Average	65.4	36.3	11.5	21.0
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

****End of Report****


ANIL KUMAR SRIVASTAVA
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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Ambient Air Quality Monitoring
(24 Hrs for the Quarter of April to June 2024)

Sampling Location: Power House at Haat/Harsari

Report No. AAL ENV-20240702002

Date of Reporting: 05/07/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters → Unit → Date of Sampling ↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	04/06/2024	73.4	42.3	12.6	30.9
2	07/06/2024	71.2	40.8	10.4	27.6
3	11/06/2024	68.4	46.1	11.9	32.4
4	14/06/2024	71.3	40.3	10.4	27.1
5	18/06/2024	70.2	42.1	11.9	25.6
6	21/06/2024	68.9	40.2	11.6	24.1
7	25/06/2024	71.4	43.8	12.4	26.2
8	28/06/2024	74.9	44.9	11.9	22.3
	Minimum	68.4	40.2	10.4	22.3
	Maximum	74.9	46.1	12.6	32.4
	Average	71.2	42.6	11.6	27.0
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

****End of Report****

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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Ambient Air Quality Monitoring
(24 Hrs for the Quarter of April to June 2024)

Sampling Location: Dam Site (Near Office)

Report No. AAL ENV-20240702004

Date of Reporting: 05/07/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters → Unit→ Date of Sampling↓	Particulate Matter PM ₁₀ (µg/m ³)	Particulate Matter PM _{2.5} (µg/m ³)	Sulphur Dioxide SO ₂ (µg/m ³)	Nitrogen Dioxide NO ₂ (µg/m ³)
1	06/06/2024	81.4	38.2	16.6	24.8
2	09/06/2024	69.2	33.3	10.3	19.6
3	13/06/2024	70.6	40.1	14.2	20.3
4	16/06/2024	63.1	46.4	17.5	24.6
5	20/06/2024	65.2	39.8	14.5	23.4
6	23/06/2024	64.5	36.4	11.4	28.1
7	27/06/2024	70.4	43.3	10.8	23.4
8	30/06/2024	72.9	48.9	8.4	26.8
	Minimum	63.1	33.3	8.4	19.6
	Maximum	81.4	48.9	17.5	28.1
	Average	69.7	40.8	13.0	23.9
	Standards Limit (As per NAAQ) Protocol/Method	100 Max. IS-5182(P-23) 2006	60 Max. IS-5182(P-24)-2019	80 Max. IS-5182 (P-2) 2001	80 Max. IS-5182(P-6) 2006

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Indoor Air Quality Monitoring



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Dist. Chamoli - 242 472, Uttarakhand

Report No. AAL ENV-20240624053

Date of Reporting: 29/06/2024

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 19/06/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside Adit To HRT
Actual Time of Sampling (Hrs) : 08:00 Hrs.
Average flow Rate for particulate matter ($m^3/minute$) : 1.19
Total Volume of air sampled for particulate matter (m^3) : 571.2

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.854	NS	NIOSH Manual-500
2	Sulphur Dioxide (as SO_2)	mg/m^3	0.021	5	IS-5182 (P-2)-2001
3	Oxide of Nitrogen (as NO_2)	mg/m^3	0.040	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m^3	1.24	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO_2)	mg/m^3	981	NS	By CO_2 Meter
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500:1994
7	Silica Content	$\mu g/m^3$	8.7	(50 MAX. -As per OSHA)	By Air APHA
8	Methane	mg/m^3	ND	(736 MAX. -As per OSHA)	By GC

NIOSH - National Institute for Occupational Safety and Health
NIH-100 (Revised) - 10/1/1983 Specified

****End of Report****

ANURAG SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonapat-131028 (Haryana)

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TEST REPORT

Page 1 of 1

Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 21/06/2024

Report No. AAL ENV-20240624054

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside TRT Adit Tunnel
Actual Time of Sampling (Hrs) : 08:00 Hrs.
Average flow Rate for particulate matter ($m^3/minute$) : 1.17
Total Volume of air sampled for particulate matter (m^3) : 561.6

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.724	NS	NIOSH Manual-500
2	Sulphur Dioxide (as SO_2)	mg/m^3	0.022	5	IS-5182 (P-2)-2001
3	Oxide of Nitrogen (as NO_2)	mg/m^3	0.039	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m^3	1.12	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO_2)	mg/m^3	1035	NS	By CO_2 Meter
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500:1994
7	Silica Content	$\mu g/m^3$	9.8	(50 MAX.-As per OSHA)	By Air APHA
8	Methane	mg/m^3	ND	(736 MAX.-As per OSHA)	By GC

NS/NM- Not Specified, ND-Not Detected, ND-Not Specified

****End of Report****


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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 19/06/2024

Report No. AAL ENV-20240624055

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside MAT Tunnel

Actual Time of Sampling (Hrs) : 08:00 Hrs.

Average flow Rate for particulate matter (m³/minute) : 1.22

Total Volume of air sampled for particulate matter (m³) : 585.6

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m ³	1.868	NS	NIOSH Manual-500
2	Sulphur Dioxide (as SO ₂)	mg/m ³	0.019	5	IS-5182 (P-2)-2001
3	Oxide of Nitrogen (as NO ₂)	mg/m ³	0.025	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m ³	1.24	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO ₂)	mg/m ³	1052	NS	By CO ₂ Meter
6	Formaldehyde (HCHO)	mg/m ³	ND	NS	NIOSH-3500:1994
7	Silica Content	µg/m ³	10.2	(50 Max.-As per OSHA)	By Air APHA
8	Methane	mg/m ³	ND	(736 Max.-As per OSHA)	By GC

NS/NH: Noted/Noted for Occupational Safety and Health
ND: Not Detected, NH: Not Specified

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Deputy Technical Manager
Authorised Signatory

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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624056

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside DT Tunnel

Actual Time of Sampling (Hrs) : 08.00 Hrs.

Average flow Rate for particulate matter (m³/minute) : 1.18

Total Volume of air sampled for particulate matter (m³) : 566.4

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m ³	1.752	NS	NIOSH Manual-500
2	Sulphur Dioxide (as SO ₂)	mg/m ³	0.022	5	IS-5182 (P-2)-2001
3	Oxide of Nitrogen (as NO ₂)	mg/m ³	0.041	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m ³	1.28	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO ₂)	mg/m ³	992	NS	By CO ₂ Meter
6	Formaldehyde (HCHO)	mg/m ³	ND	NS	NIOSH-3500:1994
7	Silica Content	µg/m ³	12.1	(50 MAX. -As per OSHA)	By Air APHA
8	Methane	mg/m ³	ND	(736 MAX. -As per OSHA)	By GC

NIOSH - National Institute for Occupational Safety and Health
ND - Not Detected, NS - Not Specified

****End of Report****


ANURAG SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624057

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside Desilting Chamber (DC-03) Tunnel
Actual Time of Sampling (Hrs) : 08:00 Hrs.
Average flow Rate for particulate matter (m^3/minute) : 1.20
Total Volume of air sampled for particulate matter (m^3) : 576.0

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.876	NS	NIOSH Manual-500
2	Sulphur Dioxide (as SO_2)	mg/m^3	0.022	5	IS-5182 (P-2)-2001
3	Oxide of Nitrogen (as NO_2)	mg/m^3	0.045	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m^3	1.08	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO_2)	mg/m^3	1068	NS	By CO_2 Meter
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500:1994
7	Silica Content	$\mu g/m^3$	8.5	(50 MAX. -As per OSHA)	By Air APHA
8	Methane	mg/m^3	ND	(736 MAX. -As per OSHA)	By GC

NIOSH - National Institute for Occupational Safety and Health
ND - Not Detected, N/A - Not Applicable

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Sample Description: Indoor Air Quality Monitoring

Date of Monitoring: 19/06/2024

Report No. AAL ENV-20240624058

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULTS

Sampling Details:

Sampling Location : Inside Ventilation Tunnel
Actual Time of Sampling (Hrs) : 08:00 Hrs.
Average flow Rate for particulate matter ($m^3/minute$) : 1.21
Total Volume of air sampled for particulate matter (m^3) : 580.8

S. No.	Test Parameter	Unit	Results	Limit as per Factory Act 1948, Schedule-II, Section-41F	Test Methods
1	Suspended Particulate Matter (SPM)	mg/m^3	1.545	NS	NIOSH Manual-500
2	Sulphur Dioxide (as SO_2)	mg/m^3	0.018	5	IS-5182 (P-2)-2001
3	Oxide of Nitrogen (as NO_2)	mg/m^3	0.036	6	IS-5182(P-6)-2006
4	Carbon Monoxide (as CO)	mg/m^3	1.18	40	IS-5182(P-10)-1999
5	Carbon Dioxide (as CO_2)	mg/m^3	1054	NS	By CO_2 Meter
6	Formaldehyde (HCHO)	mg/m^3	ND	NS	NIOSH-3500:1994
7	Silica Content	$\mu g/m^3$	9.6	(50 Max.-As per OSHA)	By Air APHA
8	Methane	mg/m^3	ND	(736 Max.-As per OSHA)	By GC

NIOSH: National Institute for Occupational Safety and Health
ND=Not Detected, NS=Not Specified

****End of Report****


ANURAG SRIVASTAVA
Deputy Technical Manager
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Noise Level Monitoring



ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
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AMBIENT NOISE



AMBIENT NOISE

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ENVIRONMENTAL MONITORING PHOTOGRAPHS SITE

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Vishnugad Pipal Koti Hydro Electric Project,
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Dist. Chamoli – 242 472, Uttarakhand



WORKZONE NOISE



WORKZONE NOISE

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ARIHANT ANALYTICAL LABORATORY PVT. LTD.
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TEST REPORT

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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: D G Noise

Capacity of DG Set: 2000 KVA - D G No.1

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624048


Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq.	98.8	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq.	72.3	-
	Insertion Loss	dB(A) Leq.	26.5	25 Min.

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Officer
Authorised Signatory

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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: D G Noise

Capacity of DG Set: 2000 KVA - D G No.2

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624049

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq.	98.3	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq.	72.2	-
	Insertion Loss	dB(A) Leq.	26.1	25 Min.

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical In-charge
Authorised Signatory

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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: D G Noise

Capacity of DG Set: 2000 KVA - D G No.3

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624050

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq.	98.2	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq.	71.6	-
	Insertion Loss	dB(A) Leq.	26.6	25 Min.

****End of Report****


ASHISH SRIVASTAVA
Deputy Test
Authorised Signatory

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Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli – 242 472, Uttarakhand

Sample Description: D G Noise

Capacity of DG Set: 2000 KVA - D G No.4

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624051

Date of Reporting: 29/06/2024

Sampling Done By: AAL.

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq.	99.4	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq.	72.7	-
	Insertion Loss	dB(A) Leq.	26.7	25 Min.

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: D G Noise

Capacity of DG Set: 1010 KVA - D G No.5

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624052

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULT

S. No.	Location	Unit	Result	Permissible Limit dB(A) Leq.
1.	Noise level when acoustic enclosure is open.	dB(A) Leq.	99.3	-
2.	Noise level when acoustic enclosure is closed at a distance of 0.5 meter.	dB(A) Leq.	72.8	-
	Insertion Loss	dB(A) Leq.	26.5	25 Min.

****End of Report****


ASHISH TOSH SRIVASTAVA
Deputy Technical Officer
Authorised Signatory

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Vishnugad Pipal Koti Hydro Electric Project,
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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Work-zone Noise

Date of Sampling: 19/06/2024

Report No. AAL ENV-20240624061

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Inside TRT Tunnel	75.9	83.1	80.7
	Standards Limit (As per OSHA, No. - 1910.95)			90 Max.

****End of Report****


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Deputy Technical Manager
Authorised Signatory

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TEST REPORT

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Issued To: M/s Hindustan Construction Co. Ltd.
Vishnugad Pipal Koti Hydro Electric Project,
Mayapur, PO-Mayapur (Pipal Koti)
Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Work-zone Noise

Date of Sampling: 19/06/2024

Report No. AAL ENV-20240624060

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Inside Ventilation Tunnel	76.6	83.4	79.8
	Standards Limit (As per OSHA, No. - 1910.95)			90 Max.

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Work-zone Noise

Date of Sampling: 19/06/2024

Report No. AAL ENV-20240624059

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Inside MAT Tunnel	73.5	81.7	77.8
	Standards Limit (As per OSHA, No. - 1910.95)			90 Max.

****End of Report****

Ashtosh
ASHTOSH SRIVASTAVA
Deputy Director
Authorised Signatory

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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 18/06/2024

Report No. AAL ENV-20240624036

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Batula Village	42.8	54.5	47.9
	Standards Limit (As per CPCB for Residential Area)			55 Max.

End of Report


ASHISH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 18/06/2024

Report No. AAL ENV-20240624027

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Siyasin Colony	41.5	53.8	48.6
	Standards Limit (As per CPCB for Residential Area)			55 Max.

End of Report


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Deputy Technical Manager
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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 18/06/2024

Report No. AAL ENV-20240624028

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Hant/Harsari Village	45.6	55.3	48.8
	Standards Limit (As per CPCB for Residential Area)			55 Max.

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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 20/06/2024

Report No. AAL ENV-20240624032

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near HRT & D C Tunnel	64.7	69.8	66.9
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


ASHUTOSH SRIVASTAVA
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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Ambient Noise

Date of Sampling: 21/06/2024

Report No. AAL ENV-20240624031

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Crusher Area	65.4	72.3	70.6
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Deputy Technical Manager
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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Ambient Noise

Date of Sampling: 21/06/2024

Report No. AAL ENV-20240624039

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Main Office (Haat Village)	58.3	65.7	62.4
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

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Deputy Technical Manager
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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 20/06/2024

Report No. AAL ENV-20240624033

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Near Main Office (Dum Site)	65.8	71.3	69.2
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

****End of Report****



Ashtosh Srivastava
ASHTOSH SRIVASTAVA
Deputy Technical Director
Authorised Signatory

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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 20/06/2024

Report No. AAL ENV-20240624034

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Camp Helong	56.8	69.3	65.8
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Deputy Technical Officer
Authorised Signatory

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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Ambient Noise

Date of Sampling: 20/06/2024

Report No. AAL ENV-20240624030

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Boiler Section	62.6	71.5	69.4
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Deputy Technical Manager
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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Noise Level Monitoring - Ambient Noise

Date of Sampling: 18/06/2024

Report No. AAL ENV-20240624029

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Near Work Shop	59.5	70.3	66.2
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Deputy Technical Manager
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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 22/06/2024

Report No. AAL ENV-20240624037

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Near Main Office (Power House)	60.5	69.2	66.8
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 22/06/2024

Report No. AAL ENV-20240624035

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Batching Plant	64.4	70.9	67.3
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

End of Report


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Dist. Chamoli – 242 472, Uttarakhand

Sample Description: Noise Level Monitoring – Ambient Noise

Date of Sampling: 22/06/2024

Report No. AAL ENV-20240624038

Date of Reporting: 29/06/2024

Sampling Duration: 24 Hrs.

Sampling Done By: AAL

TEST RESULT

S/N	Test Parameters & Unit→	Noise Level - dB(A)		
		Lmin	Lmax	Leq
1	Sampling Location↓ Near Haul Road	61.9	71.5	66.3
	Standards Limit (As per CPCB for Industrial Area)			75 Max.

****End of Report****


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Crusher Monitoring





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Dist. Chamoli - 242 472, Uttarakhand

Sample Description: Air Emission (Stone Crusher)

Date of Monitoring: 20/06/2024

Report No. AAL ENV-20240624026

Date of Reporting: 29/06/2024

Sampling Done By: AAL

TEST RESULT

Sampling Details:

Sampling Location : Dam Site

Type of Sample : Air Emission (Stone Crusher- Inward & Outward)

Average flow Rate for particulate matter (m³/minute) :

	Inward	Outward
Total Volume of air sampled for particulate matter (m ³)	1.19	1.20
Sampling Duration, Minutes	71.4	72.0
Wind Direction	60	60
	NNE (30°C)	NE (53°C)

S. No.	Test Parameter	Unit	Results			Standard Limits	Test Methods
			Inward	Outward	Final Result		
1	Suspended Particulate Matter (SPM)	µg/m ³	1319.15	1826.25	507.1	600	IS-5182(P-4) 1999

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

- Note:**
1. The Result indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred nor implied.
 2. Total liability of our laboratory is limited to the invoice amount.
 3. This report shall not be reproduced wholly or in part without written consent of the laboratory.
 4. This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.
 5. The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.



PCRI/051

प्रदूषण नियंत्रण अनुसंधान संस्थान

भारत हेवी इलेक्ट्रिकल्स लिमिटेड, रानीपुर, हरिद्वार (उत्तराखण्ड)

POLLUTION CONTROL RESEARCH INSTITUTE

(A Govt. of India - UNDP / UNIDO Project)

BHARAT HEAVY ELECTRICALS LIMITED

RANIPUR, HARIDWAR (U.K.) - 249 403

(Approved Lab under Environment (Protection) Act, 1986; EIA Consultancy by NABET, QCI)

TEST REPORT

Lab Reference No: TL230685 **Date :** 24.03.2024
Indentor THDC India Ltd., Vishnugad Pipalkoti Hydro Electric Project,
Alaknanda Puram, Siyasain, Pipalkoti, Chamoli (Uttarakhand)
Customer's Ref. No.: THDCIL/VPHEP/Envr./F-037/11 Dated 10.04.2023
Work Order No.: 23-0008-O-691
Sample Collected by: PCRI Staff **Collection Date:** 17.03.2024
Sample/Job: River Water Sample from 1 Km D/s of TRT Outlet

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Alkalinity	mg/L	72	200	600
Aluminium (as Al)	mg/L	0.02	0.03	0.2
Ammonia (as Total Ammonia - N)	mg/L	ND	0.5	NR
Arsenic (as As)	mg/L	ND	0.01	0.05
Barium	mg/L	ND	0.7	NR
BOD at 27°C	mg/L	0.8	-	-
Boron (as B)	mg/L	ND	0.5	1.0
Cadmium (as Cd)	mg/L	ND	0.003	NR
Calcium (as Ca)	mg/L	19.24	75	200
Chloride (as Cl)	mg/L	7	250	1000
Chromium Total (as Cr)	mg/L	ND	0.05	NR
Colour	Hazen	5	5	15
Copper (as Cu)	mg/L	ND	0.05	1.5
Dissolved Oxygen (DO)	mg/L	7.6	-	-
Fluoride (as F)	mg/L	0.73	1.0	1.5
Hardness (as CaCO ₃)	mg/L	88	200	600
Iron (as Fe)	mg/L	0.13	0.3	NR
Lead (as Pb)	mg/L	ND	0.01	NR
Magnesium (as Mg)	mg/L	9.70	30	100
Manganese (as Mn)	mg/L	0.04	0.1	0.3
Mercury (as Hg)	mg/L	ND	0.001	NR

Contd..2

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TEST REPORT

-Page 2-

Lab Reference No:

TL230685

Date : 24.03.2024

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Mineral Oil	mg/L	ND	0.5	NR
Nickel (as Ni)	mg/L	ND	0.02	NR
Nitrate (as NO ₃)	mg/L	1.20	45	NR
Odour	-	Agreeable	Agreeable	NR
pH	-	8.35	6.5-8.5	NR
Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	ND	0.001	0.002
Selenium (as Se)	mg/L	ND	0.01	NR
Silver (as Ag)	mg/L	ND	0.1	NR
Sulphate (as SO ₄)	mg/L	23.91	200	400
Sulphide as S	mg/L	ND	0.05	NR
Total Coliform	MPN/100 mL	6	Absent	NR
Total Dissolved Solids	mg/L	136	500	2000
Total Residual Chlorine	mg/L	ND	0.2	1.0
Total Suspended Solids	mg/L	4	-	-
Turbidity	NTU	2.05	1	5
Zinc (as Zn)	mg/L	0.03	5	15

ND - Not Detectable

NR - No Relaxation

Prepared By

Ankur Mohan
Engineer (PCRI)

Approved By

Shailendra Kumar
Dy. General Manager (PCRI)

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TEST REPORT

Lab Reference No:	TL230686	Date :	24.03.2024
Indentor	THDC India Ltd., Vishnugad Pipalkoti Hydro Electric Project, Alaknanda Puram, Siyasain, Pipalkoti, Chamoli (Uttarakhand)		
Customer's Ref. No.:	THDCIL/VPHEP/Envvt./F-037/11 Dated 10.04.2023		
Work Order No.:	23-0008-O-691		
Sample Collected by:	PCR/ Staff	Collection Date:	17.03.2024
Sample/Job:	River Water Sample from 3 Km D/s of TRT Outlet		

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Alkalinity	mg/L	68	200	600
Aluminium (as Al)	mg/L	0.02	0.03	0.2
Ammonia (as Total Ammonia - N)	mg/L	ND	0.5	NR
Arsenic (as As)	mg/L	ND	0.01	0.05
Barium	mg/L	ND	0.7	NR
BOD at 27°C	mg/L	1.1	-	-
Boron (as B)	mg/L	ND	0.5	1.0
Cadmium (as Cd)	mg/L	ND	0.003	NR
Calcium (as Ca)	mg/L	19.24	75	200
Chloride (as Cl)	mg/L	7	250	1000
Chromium Total (as Cr)	mg/L	ND	0.05	NR
Colour	Hazen	5	5	15
Copper (as Cu)	mg/L	ND	0.05	1.5
Dissolved Oxygen (DO)	mg/L	7.4	-	-
Fluoride (as F)	mg/L	0.61	1.0	1.5
Hardness (as CaCO ₃)	mg/L	84	200	600
Iron (as Fe)	mg/L	0.05	0.3	NR
Lead (as Pb)	mg/L	ND	0.01	NR
Magnesium (as Mg)	mg/L	8.73	30	100
Manganese (as Mn)	mg/L	0.04	0.1	0.3
Mercury (as Hg)	mg/L	ND	0.001	NR

Contd..2

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TEST REPORT

-Page 2-

Lab Reference No:

TL230686

Date : 24.03.2024

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Mineral Oil	mg/L	ND	0.5	NR
Nickel (as Ni)	mg/L	ND	0.02	NR
Nitrate (as NO ₃)	mg/L	1.0	45	NR
Odour	-	Agreeable	Agreeable	NR
pH	-	8.45	6.5-8.5	NR
Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	ND	0.001	0.002
Selenium (as Se)	mg/L	ND	0.01	NR
Silver (as Ag)	mg/L	ND	0.1	NR
Sulphate (as SO ₄)	mg/L	25.46	200	400
Sulphide as S	mg/L	ND	0.05	NR
Total Coliform	MPN/100 mL	8	Absent	NR
Total Dissolved Solids	mg/L	136	500	2000
Total Residual Chlorine	mg/L	ND	0.2	1.0
Total Suspended Solids	mg/L	6	-	-
Turbidity	NTU	2.03	1	5
Zinc (as Zn)	mg/L	0.02	5	15

ND - Not Detectable

NR - No Relaxation

Prepared By

Ankur Mohan
Engineer (PCRI)

Approved By

Shallendra Kumar
Dy. General Manager (PCRI)

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TEST REPORT

Lab Reference No:	TL230687	Date :	24.03.2024
Indentor	THDC India Ltd., Vishnugad Pipalkoti Hydro Electric Project, Alaknanda Puram, Siyasain, Pipalkoti, Chamoli (Uttarakhand)		
Customer's Ref. No.:	THDCIL/VPHEP/Envvt./F-037/11 Dated 10.04.2023		
Work Order No.:	23-0008-O-691		
Sample Collected by:	PCRI Staff	Collection Date:	17.03.2024
Sample/Job:	River Water Sample from 1 Km U/s from Dam Site		

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Alkalinity	mg/L	64	200	600
Aluminium (as Al)	mg/L	0.02	0.03	0.2
Ammonia (as Total Ammonia - N)	mg/L	ND	0.5	NR
Arsenic (as As)	mg/L	ND	0.01	0.05
Barium	mg/L	ND	0.7	NR
BOD at 27°C	mg/L	1.0	-	-
Boron (as B)	mg/L	ND	0.5	1.0
Cadmium (as Cd)	mg/L	ND	0.003	NR
Calcium (as Ca)	mg/L	12.83	75	200
Chloride (as Cl)	mg/L	6	250	1000
Chromium Total (as Cr)	mg/L	ND	0.05	NR
Colour	Hazen	5	5	15
Copper (as Cu)	mg/L	ND	0.05	1.5
Dissolved Oxygen (DO)	mg/L	7.4	-	-
Fluoride (as F)	mg/L	0.81	1.0	1.5
Hardness (as CaCO ₃)	mg/L	80	200	600
Iron (as Fe)	mg/L	0.05	0.3	NR
Lead (as Pb)	mg/L	ND	0.01	NR
Magnesium (as Mg)	mg/L	11.65	30	100
Manganese (as Mn)	mg/L	0.04	0.1	0.3
Mercury (as Hg)	mg/L	ND	0.001	NR

Contd..2

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TEST REPORT

-Page 2-

Lab Reference No: TL230687

Date : 24.03.2024

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Mineral Oil	mg/L	ND	0.5	NR
Nickel (as Ni)	mg/L	ND	0.02	NR
Nitrate (as NO ₃)	mg/L	0.87	45	NR
Odour	-	Agreeable	Agreeable	NR
pH	-	8.31	6.5-8.5	NR
Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	ND	0.001	0.002
Selenium (as Se)	mg/L	ND	0.01	NR
Silver (as Ag)	mg/L	ND	0.1	NR
Sulphate (as SO ₄)	mg/L	24.28	200	400
Sulphide as S	mg/L	ND	0.05	NR
Total Coliform	MPN/100 mL	6	Absent	NR
Total Dissolved Solids	mg/L	122	500	2000
Total Residual Chlorine	mg/L	ND	0.2	1.0
Total Suspended Solids	mg/L	2	-	-
Turbidity	NTU	1.65	1	5
Zinc (as Zn)	mg/L	0.02	5	15

ND – Not Detectable

NR – No Relaxation

Prepared By

Ankur Mohan
Engineer (PCRI)

Approved By

Shailendra Kumar
Dy. General Manager (PCRI)

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TEST REPORT

Lab Reference No:	TL230688	Date :	24.03.2024
Indentor	THDC India Ltd., Vishnugad Pipalkoti Hydro Electric Project, Alaknanda Puram, Siyasain, Pipalkoti, Chamoli (Uttarakhand)		
Customer's Ref. No.:	THDCIL/VPHEP/Envvt./F-037/11 Dated 10.04.2023		
Work Order No.:	23-0008-O-691		
Sample Collected by:	PCRI Staff	Collection Date:	17.03.2024
Sample/Job:	River Water Sample Between Dam & Power House Site (Village: Tapon)		

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Alkalinity	mg/L	64	200	600
Aluminium (as Al)	mg/L	0.02	0.03	0.2
Ammonia (as Total Ammonia - N)	mg/L	ND	0.5	NR
Arsenic (as As)	mg/L	ND	0.01	0.05
Barium	mg/L	ND	0.7	NR
BOD at 27°C	mg/L	1.1	-	-
Boron (as B)	mg/L	ND	0.5	1.0
Cadmium (as Cd)	mg/L	ND	0.003	NR
Calcium (as Ca)	mg/L	19.24	75	200
Chloride (as Cl)	mg/L	6	250	1000
Chromium Total (as Cr)	mg/L	ND	0.05	NR
Colour	Hazen	5	5	15
Copper (as Cu)	mg/L	ND	0.05	1.5
Dissolved Oxygen (DO)	mg/L	7.3	-	-
Fluoride (as F)	mg/L	0.76	1.0	1.5
Hardness (as CaCO ₃)	mg/L	80	200	600
Iron (as Fe)	mg/L	0.05	0.3	NR
Lead (as Pb)	mg/L	ND	0.01	NR
Magnesium (as Mg)	mg/L	7.76	30	100
Manganese (as Mn)	mg/L	0.04	0.1	0.3
Mercury (as Hg)	mg/L	ND	0.001	NR

Contd..2

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TEST REPORT

-Page 2-

Lab Reference No: TL230688 Date : 24.03.2024

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Mineral Oil	mg/L	ND	0.5	NR
Nickel (as Ni)	mg/L	ND	0.02	NR
Nitrate (as NO ₃)	mg/L	0.80	45	NR
Odour	-	Agreeable	Agreeable	NR
pH	-	8.19	6.5-8.5	NR
Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	ND	0.001	0.002
Selenium (as Se)	mg/L	ND	0.01	NR
Silver (as Ag)	mg/L	ND	0.1	NR
Sulphate (as SO ₄)	mg/L	25.09	200	400
Sulphide as S	mg/L	ND	0.05	NR
Total Coliform	MPN/100 mL	7	Absent	NR
Total Dissolved Solids	mg/L	126	500	2000
Total Residual Chlorine	mg/L	ND	0.2	1.0
Total Suspended Solids	mg/L	4	-	-
Turbidity	NTU	2.66	1	5
Zinc (as Zn)	mg/L	0.02	5	15

ND – Not Detectable

NR – No Relaxation

Prepared By

Ankur Mohan
Engineer (PCRI)

Approved By

Shailendra Kumar
Dy. General Manager (PCRI)

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BHARAT HEAVY ELECTRICALS LIMITED
RANIPUR, HARIDWAR (U.K.) - 249 403
(Approved Lab under Environment (Protection) Act, 1986; EIA Consultancy by NABET, QCI)

TEST REPORT
WORKPLACE NOISE MONITORING

Lab. Ref: PCRI: Air & Noise: 2023-24 :1354-1357
Date: 24.03.2024

A. GENERAL INFORMATION:

1	Name and address of Plant	:	M/s THDC India Ltd, Vishnugad Pipalkoti Hydro Electric Project, District-Chamoli (Uttarakhand)
2	Work Order No.	:	23-0008-O-691
3	Date of Measurement	:	18.03.2024
4	Instrument used	:	Sound Level Meter
5	Measurement carried out by	:	PCRI, BHEL, Ranipur, Haridwar-249403 (UK)

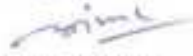
B. RESULTS OF WORKPLACE NOISE MEASUREMENT:

All measurement in dB (A)

Sl. No.	Location	Measured Values	Allowable Limit*
1.	Batching Plant DAM site	60	90 dB (A)
2.	Batching Plant Power House	67	
3.	Fabrication Workshop at DAM site	64	
4.	Fabrication Workshop at Power House site	61	

Leq. : Equivalent Sound Pressure Level

***Allowable Limit:** 90 dB(A) for 8 Hour Exposure Period as per OSHA

Prepared by

Ankur Mohan
Engineer (PCRI)

Approved by

Avinash Kumar
Manager (PCRI)

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Daily Quaterly AQMS Data (Sep. 2024)

Date & Time	PM 2.5	PM 10	CO	O3	NO2	SO2	A.Q.I	Battery Voltage
DD/MM/YYYY - HH:MM	µg/mtr³	µg/mtr³	PPM	PPM	PPM	PPM		Volts
01/09/ 2024 - 00:00	42	47	0.5	0.02	0.03	0	103	13.20
02/09/ 2024 - 00:00	43	48	0.5	0.02	0.03	0	105	13.20
03/09/ 2024 - 00:00	54	61	0.5	0.02	0.03	0	127	13.20
04/09/2024 - 00:00	55	62	0.5	0.02	0.03	0	129	13.20
05/09/ 2024 - 00:00	19	22	0.5	0.02	0.03	0	57	13.10
06/09/ 2024 - 00:00	55	62	0.5	0.02	0.03	0	129	13.20
07/09/ 2024 - 00:00	56	63	0.5	0.02	0.03	0	131	13.20
08/09/ 2024 - 00:00	35	39	0.5	0.02	0.03	0	89	13.00
09/09/ 2024 - 00:00	56	63	0.5	0.02	0.03	0	131	13.20
10/09/ 2024 - 00:00	53	59	0.5	0.02	0.03	0	125	13.20
11/09/ 2024 - 00:00	24	26	0.5	0.04	0.03	0	67	13.20
12/09/ 2024 - 00:00	32	36	0.5	0.02	0.03	0	83	13.20
13/09/ 2024 - 00:00	45	49	0.5	0.02	0.03	0	109	13.00
14/09/ 2024 - 00:00	24	26	0.5	0.02	0.03	0	67	13.20
15/09/ 2024 - 00:00	19	22	0.5	0.02	0.03	0	57	13.10
16/09/ 2024 - 00:00	24	26	0.5	0.02	0.03	0	67	13.20
17/09/ 2024 - 00:00	27	31	0.5	0.02	0.03	0	73	13.20
18/09/ 2024 - 00:00	27	30	0.5	0.03	0.03	0	73	13.20
19/09/ 2024 - 00:00	24	26	0.5	0.04	0.03	0	67	13.20
20/09/ 2024 - 00:00	32	36	0.5	0.02	0.03	0	83	13.10
21/09/ 2024 - 00:00	26	28	0.5	0.02	0.03	0	71	13.10
22/09/ 2024 - 00:00	24	26	0.5	0.02	0.03	0	67	13.10
23/09/ 2024 - 00:00	24	26	0.5	0.02	0.03	0	67	13.10
24/09/ 2024 - 00:00	34	38	0.5	0.02	0.03	0	87	13.10
25/09/ 2024 - 00:00	31	34	0.5	0.02	0.03	0	81	13.10

Daily Quaterly AQMS Data (Sep. 2024)

Date & Time	PM 2.5	PM 10	CO	O3	NO2	SO2	A.Q.I	Battery Voltage
DD/MM/YYYY - HH:MM	µg/mtr³	µg/mtr³	PPM	PPM	PPM	PPM		Volts
26/09/ 2024 - 00:00	50	56	0.5	0.02	0.03	0	119	12.90
27/09/ 2024 - 00:00	45	49	0.5	0.02	0.03	0	109	13.00
28/09/ 2024 - 00:00	35	39	0.5	0.02	0.03	0	89	13.00
29/09/ 2024 - 00:00	37	41	0.5	0.02	0.03	0	93	13.00
30/09/ 2024 - 00:00	24	26	0.5	0.02	0.03	0	67	13.10

List of HCC vehicles and equipment			
Project: VPHEP			Apr-24
Sr. No.	Log No	Equipment Description	Remarks
1	A0500244	100 Kva Diesel Generating Set Powerica	
2	A0500277	500 Kva Diesel Generating Set Til	
3	A0500285	500 Kva Diesel Generating Set Til	
4	A0500306	75 Kva Diesel Generating Set Powerica	
5	A0500376	75 Kva Diesel Generating Set Powerica	
6	A0500416	30 Kva Diesel Generating Set Powerica	
7	A0500417	30 Kva Diesel Generating Set Powerica	
8	A0500426	15 Kva Diesel Generating Set Powerica	
9	A0500443	30 Kva Diesel Generating Set Sudhir	
10	A0500446	30 Kva Diesel Generating Set Sudhir	
11	A0500544	320 Kva Diesel Generating Set Til	
12	A0500546	40 Kva Diesel Generating Set Powerica	
13	A0500548	320 Kva Diesel Generating Set Sudhir	
14	A0500637	500 Kva Diesel Generating Set Til	
15	A0500642	500 Kva Diesel Generating Set Til	
16	A0500643	500 Kva Diesel Generating Set Til	
17	A0500653	500 KVA Diesel Generating Set TIL	
18	A0500662	500 KVA Diesel Generating Set GMMCO	
19	A0500663	320 KVA Diesel Generating Set GMMCO	
20	A0500664	500 KVA Diesel Generating Set GMMCO	
21	A0500667	2000 KVA Prime Power DG Set TIL	
22	A0500668	2000 KVA Prime Power DG Set TIL	
23	A0500669	2000 KVA Prime Power DG Set TIL	
24	A0500670	2000 KVA Prime Power DG Set TIL	
25	A0500681	1010 Kva Diesel Generating Set	
26	A0500683	1010 Kva Diesel Generating Set	
27	A0600135	1250KVA 11/0.43KV Power Trans.Cromptom	
28	A0600138	250KVA 11/0.43KV Power Trans.Gec	
29	A0600155	315KVA 11/0.43KV Power Trans.Gec	
30	A0600158	500KVA 11/0.43KV Power Trans	
31	A0600194	2500KVA 11/433V Power Trans.Vivekanand	
32	A0600215	500KVA 11/0.43KV Power Trans.Vivekanand	
33	A0600250	500KVA 11/0.43KV Power Trans.Vivekanand	
34	A0600254	250KVA 22/11/0.43KV Power Trans Vivekana	
35	A0600260	750KVA 33-11/0.43KV Power Trans Vivekana	
36	A0600263	1500KVA 11/0.43KV Power Trans.Vivekanand	
37	A0600282	1250KVA 11/0.43KV Power Trans.Stanlec	
38	A0600302	1000KVA 11/0.44KV Power Trans Vivekanand	
39	A0600304	750KVA 11/0.43KV Power Trans.Vivekanand	
40	A0600338	160 KVA Power Transformer Vivekanand	
41	A0600358	2500 KVA Power Transformer	
42	A1400002	Synchronizing Panel	
43	B0500131	Wagon Drill Atlas Copco BBC 120F	
44	B0600100	Crawler Drill Atlas Copco ROC 203	
45	B0600102	Crawler Drill Atlas Copco ROC 203	
46	B0600106	Crawler Drill Atlas Copco ROC 203	
47	B0600107	Crawler Drill Atlas Copco ROC 203	
48	B0600108	Crawler Drill Atlas Copco ROC 203	
49	B0600109	Crawler Drill Atlas Copco ROC 203	
50	B0600114	Crawler Drill Atlas Copco ROC 203	
51	B0600133	Crawler Drill Atlas Copco ROC 203	
52	B0600134	Crawler Drill Atlas Copco ROC 203	
53	B0600135	Crawler Drill Atlas Copco ROC 203	
54	B0600136	Crawler Drill Atlas Copco ROC 203	



55	B0600137	Hydraulic Crawler drill DX 700 Sandvik	
56	B0600138	Hydraulic Crawler drill DX 700 Sandvik	
57	B0600147	Crawler Drill Atlas Copco ROC 203	
58	B0600150	Crawler Drill Atlas Copco ROC 203	
59	B0600151	Crawler Drill Atlas Copco ROC 203	
60	B0600153	Crawler Drill Atlas Copco ROC 203	
61	B0600157	Crawler Drill Atlas Copco ROC 203	
62	B0600162	Crawler Drill Atlas Copco ROC 203	
63	B0600169	Crawler Drill Atlas Copco ROC 203	
64	B0600172	Hydraulic Surface drill Sandvik DQ 500	
65	B0600173	Hydraulic Surface drill ROC T20 R	
66	B0600179	Hydraulic Surface drill Sandvik DC 302 R	
67	B0600180	Hydraulic Surface drill Sandvik DC 302 R	
68	B0600181	Hydraulic Surface drill Sandvik DC 302 R	
69	B0600182	Hydraulic Surface drill Sandvik DC 302 R	
70	B0900039	Hyd.2 boom drilling Jumbo Atlascopco L2D	
71	B0900042	Hyd.2 boom drilling Jumbo Atlascopco L2D	
72	B0900052	Hyd.2 boom drilling Jumbo AXERA 8-290	
73	B0900054	Hyd.2 boom drilling Jumbo AXERA 8-290	
74	B0900058	Hyd.2 boom drilling Jumbo AXERA 8-290	
75	B0900059	Hyd.2 boom drilling Jumbo AXERA DT 820	
76	B0900061	Hyd.2 boom drilling Jumbo AXERA DT 820	
77	B0900068	Hyd.2 boom drilling Jumbo AXERA DT 820	
78	B0900069	Hyd.2 boom drilling Jumbo AXERA DT 820	
79	B0900074	Hyd.2 boom drilling Jumbo AXERA DT 820	
80	B0900075	Hyd.2 boom drilling Jumbo AXERA DT 820	
81	B0900076	Hyd.2 Boom Drilling Jumbo AXERA DT 820	
82	B0900082	Hyd.2 boom drilling Jumbo Atlascopco L2D	
83	B0900085	Hyd.2 boom drilling Jumbo DT 820	
84	B0900086	Hyd.2 boom drilling Jumbo DT 820	
85	B0900091	Hyd.2 Boom Drilling Jumbo Atlascopco 282	
86	B0900092	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
87	B0900093	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
88	B0900097	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
89	B0900109	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
90	B0900110	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
91	B1200062	Hyd Rock Breaker Atlascopco MB1200	
92	C0100123	600 cfm Ingersoll Rand Diesel Compressor	
93	C0100207	600 Cfm Atlas Copco Diesel Air Compressor	
94	C0100218	600 cfm Atlas Copco Diesel Compressor	
95	C0100232	600 cfm Atlas Copco Diesel Compressor	
96	C0100253	600 cfm Atlas Copco Diesel Compressor	
97	C0100272	600 cfm Atlas Copco Diesel Compressor	
98	C0100274	600 cfm Atlas Copco Diesel Compressor	
99	C0100280	600 cfm Atlas Copco Diesel Compressor	
100	C0100282	600 cfm Atlas Copco Diesel Compressor	
101	C0100290	600 cfm Atlascopco Diesel Compressor	
102	C0100291	600 cfm Atlascopco Diesel Compressor	
103	C0100299	300 cfm Compressor Atlascopco XA 146 HD	
104	C0100309	600 cfm Atlas copco Diesel Compressor	
105	C0200159	585 cfm Atlas Copco Electric Compressor	
106	C0200167	816 cfm Atlas Copco Belgium Gr200w Compr	
107	C0200186	587 cfm Atlas Copco Electric Compressor	
108	C0200190	572 cfm Elect. Compressor Atlascopco GA90	
109	C0200195	572 cfm Elect. Compressor Atlascopco GA90	
110	C0200204	572 cfm Elect. Compressor Atlascopco GA90	
111	C0200206	572 cfm Elect. Compressor Atlascopco GA90	
112	C0200208	572 cfm Elect. Compressor Atlascopco GA90	
113	C0200209	572 cfm Elect. Compressor Atlascopco GA90	



114	C0200210	572 cfm Elect.Compressor Atlascopco GA90	
115	C0200213	572 cfm Elect.Compressor Atlascopco GA90	
116	C0200214	572 cfm Elect.Compressor Atlascopco GA90	
117	C0200215	572 cfm Elect.Compressor Atlascopco GA90	
118	C0200216	572 cfm Elect.Compressor Atlascopco GA90	
119	C0200223	600 Cfm Compressor Atlascopco GA 90 AWP	
120	C0200224	600 Cfm Compressor Atlascopco GA 90 AWP	
121	C0200225	600 cfm Compressor Atlascopco GA 90 AWP	
122	C0200227	600 cfm Compressor Atlascopco GA 90 7.5	
123	D0100290	0.75M3 Gamzen 750RD Concrete Mixer	
124	D0100303	0.60m3 Concrete Mixer Electric PENTA 750	
125	D0300044	35 TPH Vertical Cement Screw	
126	D0400057	120 M3 Simem Wetbeton 120 Batching Plant	
127	D0400058	120 M3 Simem Wetbeton 120 Batching Plant	
128	D0400071	60M3 Schwing Stetter H 1.25 Batching Pla	
129	D0400077	25 M3 Siemem WB 25 Batching Plant	
130	D0400082	25 M3 Siemem WB 25 Batching Plant	
131	D0400084	25 M3 Siemem WB 25 Batching Plant	
132	D0500037	42 M3 HR BP-1800 HDR D Portable Schwing	
133	D0500049	30 M3 Concrete Pump Sany Diesel	
134	D0500080	30 M3 Concrete Pump Schwing BP 350E	
135	D0500082	30 M3 Concrete Pump Greaves BP 350	
136	D0500085	30 M3 Concrete Pump Schwing stetter BP	
137	D0500087	42 M3 Concrete Pump BP1800 HDR-E	
138	D0500096	30 M3 Concrete Pump S.Stetter BP 350 EXT	
139	D0500100	30 M3 Concrete Pump S.Stetter BP 350 EXT	
140	D0500117	30 M3 Concrete Pump BP 350 EXT	
141	D0500126	30 M3 Concrete Pump BP 350 EXT	
142	D0500127	30 M3 Concrete Pump BP 350 EXT	
143	D0500132	60 M3 Concrete Pump SP1800	
144	D0500133	60 M3 Concrete Pump SP1800	
145	D1100039	4M ³ Transit Mixer Shirke	
146	D1100079	6M ³ Transit Mixer Schwing Stetter	
147	D1100093	6M ³ Transit Mixer Shirke	
148	D1100109	6M ³ Transit Mixer Shirke	
149	D1100124	6M ³ Transit Mixer Schwing Stetter	
150	D1100125	6M ³ Transit Mixer Schwing Stetter	
151	D1100127	6M ³ Transit Mixer Schwing Stetter	
152	D1100130	6M ³ Transit Mixer Schwing Stetter	
153	D1100170	6M ³ Transit Mixer Schwing Stetter	
154	D1100178	6M ³ Transit Mixer Schwing Stetter	
155	D1100188	6M ³ Transit Mixer Schwing Stetter	
156	D1100232	6M ³ Transit Mixer Schwing Stetter	
157	D1100233	6M ³ Transit Mixer Schwing Stetter	
158	D1100235	6M ³ Transit Mixer Schwing Stetter	
159	D1100248	6M ³ Transit Mixer Schwing Stetter	
160	D1100249	6M ³ Transit Mixer Schwing Stetter	
161	D1100267	6M ³ Transit Mixer S.Stetter AM 6SHN-RH	
162	D1100286	4M ³ Transit Mixer Sch.stetter AM4 SHN	
163	D1100289	4M ³ Transit Mixer Sch.stetter AM4 SHN	
164	D1100290	4M ³ Transit Mixer Sch.stetter AM4 SHN	
165	D1100293	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
166	D1100296	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
167	D1100329	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
168	D1100330	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
169	D1600002	Design, Engineering AND Complete Tunnel	
170	E0100030	1 M3 Dry Shotcrete Machine	
171	E0100046	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
172	E0100057	30 M3 Wet Shortcrete M/C With robo arm	



173	E0100062	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
174	E0100072	20 M3 Dry Shotcrete Machine	
175	E0100078	30 M3 Wet Shotcrete M/C With robo arm	
176	E0100079	5-7 M3 Wet Shotcrete Machine	
177	E0100080	30 M3 Wet Shotcrete M/C With robo arm	
178	E0100083	30 M3 Wet Shotcrete M/C With robo arm	
179	E0100094	33 M3 Wet shotcrete Pump	
180	E0100096	30 M3 Wet Shotcrete M/C With robo arm	
181	E0100099	30 M3 Wet Shotcrete M/C With robo arm	
182	E0100100	30 M3 Wet Shotcrete M/C With robo arm	
183	E0100102	30 M3 Wet Shotcrete M/C With robo arm	
184	E0100107	30 M3 Wet Shotcrete M/C With robo arm	
185	E0100108	30 M3 Wet Shotcrete M/C With robo arm	
186	E0100113	30 M3 Wet Shotcrete M/C With robo arm	
187	E0100115	20 M3 Wet Shotcrete M/C with robo arm	
188	E0100127	Wet shotcrete Machine TSR 30.14	
189	E0100128	Wet shotcrete Machine TSR 30.14	
190	E0700007	0-200 Lpm Atlas Copco Gr.System Model E2	
191	E0700008	Atlas Copco Grouting Equipment	
192	E0700036	Uni Grout E 200 100 - 12 H	
193	E0700045	Grouting Equipment Unigrout E 200 100	
194	E0700046	Mai injection Grout Pump M 400 NT	
195	E0700047	Mai Grout Pump M 400 NT	
196	E0700048	Mai Grout Pump M 400 NT	
197	E0700057	Uni Grout Pump 100-12 EH	
198	E0700066	Mai Grout Pump Atlascopco M 400 NT	
199	E0700083	Mai Grout Pump Atlascopco M 400 NT	
200	E0700105	Mai Grout Pump Atlas Copco M 400 NT	
201	E0700106	Mai Grout Pump Atlas Copco M 400 NT	
202	E0700107	Mai Grout Pump Atlas Copco M 400 NT	
203	E0700108	Mai Grout Pump Atlas Copco M 400 NT	
204	E0700109	Mai Grout Pump Atlas Copco M 400 NT	
205	E0700118	Mai Grout Pump Atlas Copco M 400 NT	
206	E0700127	Mai Grout Pump Atlas Copco M 400 NT	
207	E0700128	Mai Grout Pump Atlas Copco M 400 NT	
208	E0700129	Mai Grout Pump Atlas Copco M 400 NT	
209	E0700130	Mai Grout Pump Atlas Copco M 400 NT	
210	G0200052	12.50 Ton Electromech Gantry Crane	
211	G0200085	20 Ton Gantry Crane Anupam span 25 mtr	
212	G0200087	20 Ton EOT Crane Anupam span 25mtr	
213	G0200088	5 Ton EOT Crane Anupam span 25mtr.	
214	G0200092	30 Ton Gantry Crane for pressure Shaft	
215	G0200093	30 Ton Gantry Crane for pressure Shaft	
216	G0200102	5 Ton Electromech Gantry Crane Span 20M	
217	G0200109	5 Ton Gantry Crane Span 14M HuH 6m	
218	G0200114	10 Ton Electromech Gantry Crane	
219	G0200115	35 Ton Gantry Crane	
220	G0200123	D/G 30T Gantry Crane w/o Crab 30M Span	
221	G0300055	10 T@40M Shirke Potain Tower Crane	
222	G0300058	10 T@30M Shirke Potain Tower Crane	
223	G0700015	FORKLIFT	
224	G0700028	Furukawa Unic Crane URV 504 TR. MOUNTED	
225	G0700032	Articulated crane mounted on LPK1613/42	
226	G0700037	Electric Forklift GX 300E Godrej	
227	G0700038	3.50 T.Maniscopic Telehandler MT 1235 S	
228	G0700039	3.50 T.Maniscopic Telehandler MT 1235 S	
229	G0700043	3.50 T.Maniscopic Telehandler MT 1235 S	
230	G0700059	3.50 Maniscopic Telehandler MT1235S	
231	G0700062	3.50 Maniscopic Telehandler MT1235S	



232	G0700066	Articulated Crane mounted on LPT 1616/48	
233	G0700077	4T Manitou Telehandler MT-X-1440 c/w R C	
234	G0700078	Telehandler JCB 3T 5311A	
235	G0700079	Telehandler JCB 3T 5311A	
236	G1200001	Two Segment Lifter 5 Ton Scissor type	
237	H0100084	Crawler Dozer 165HP Hindustan Motors	
238	H0100109	Crawler Dozer 165HP Shanghai Peng Pu Pd	
239	H0100116	Crawler Dozer 165HP Shanghai Peng Pu Pd	
240	H0100118	Crawler Dozer 320HP Shanghai Peng Pu Pd	
241	H0100125	Crawler Dozer 104HP Komatsu D41-E-6	
242	H0100129	Crawler Dozer 180 HP D 65E-12	
243	H0400053	Back Hoe Loader JCB 4DX	
244	H0400074	Back Hoe Loader JCB 4DX	
245	H0400075	Back Hoe Loader JCB 4DX	
246	H0400076	Back Hoe Loader JCB 4DX	
247	H0500193	0.30 M3 Hydraulic Excavator JCB JS 80	
248	H0500241	0.93 M3 Hydraulic Excavator L&T PC-200-6	
249	H0500264	0.93 M3 Hydraulic Excavator L&T PC-200-6	
250	H0500265	0.93 M3 Hydraulic Excavator L&T PC-200-6	
251	H0500268	0.93 M3 Hydraulic Excavator L&T PC-200-6	
252	H0500285	2.10 M3 Hydraulic Excavator L&T PC 300-7	
253	H0500294	Zero Tail Swing Hyd.Excavator VIO 20-3-P	
254	H0600045	65 Ton Crawler Crane Sumitomo SC-650-II	
255	H0600062	80 Ton Crawler Crane Fushun ACC.800	
256	H0800068	3 M3 Wheel Loader CAT 966 F Side dump	
257	H0800098	3 M3 Wheel Loader CLG 856 Side Dump	
258	H0800105	3 M3 Wheel Loader CLG 856 Side Dump	
259	H0800112	2.7 M3 Wheel Loader CLG 856 Side Dump	
260	H0800118	2.7 M3 Wheel Loader CLG 856 Side Dump	
261	H0800135	1.80 M3 F.End Loader 432ZX With S.Bucket	
262	H0800147	1.80 M3 F.End Loader 432ZX with S.bucket	
263	H0800154	2.7 M3 Wheel Loader CAT 950 H Side dump	
264	H0800163	2.7 M3 Wheel Loader CLG 856 BS III	
265	H0800164	2.7 M3 Wheel Loader CLG 856 BS III Side	
266	H0900065	25 Ton Mobile/Rough Terrain Crane KR25H	
267	H0900070	10 Ton Mobile/Rough Terrain Crane K-10	
268	H0900086	25 Ton Mobile Crane Kato KR 25H-V	
269	H0900094	30 Ton Hyd.Mobile Crane RT 630C	
270	H0900095	30 Ton Hyd.Mobile Crane RT 630C	
271	H0900098	30 Ton Hyd.Mobile Crane TIL RT 630	
272	H0900106	14 Ton Pick and Carry Crane F 15	
273	H0900107	14 ton Pick and Carry Crane F 15	
274	H0900116	30 Ton Hyd.Mobile Crane Escort RT 30	
275	J0100069	250 Ton Jaw Crusher Svedala Arbra1208 HD	
276	J0100086	175 TPH Jaw Crusher Nawa Engg.&Consultan	
277	J0100096	175 TPH Jaw Crusher JM 1108	
278	J0300022	250 TPH Cone Crusher Svedala Arb H-3000E	
279	J0300023	250 TPH Hyd Cone Crusher Svedala Arb H	
280	J0300026	250 TPH Cone Crusher Svedala Arb S-000EC	
281	J0300042	Cone Crusher Metso GP11F	
282	J0300051	175 TPH Hydrocone Crusher Sandvik S-3800	
283	J0500011	200 TPH Vertical Shaft Impactor Svedala	
284	J0500018	300 TPH Vertical Shaft Impactor Metso Mi	
285	J0500022	Vertical Shaft Impactor (METSO B9100 DD)	
286	J0500031	Vertical Shaft Impactor MetsoNordberg	
287	J0800018	200 TPH Crushing Plant	
288	J0800025	100 Ton Crushing Plant (assembled)	
289	K0100111	150 TPH Vibrating Screen Metso Minerals	
290	K0100121	300 TPH Vibrating Screen Metso Minerals	



291	K0100146	Vibrating Screen III Deck SS1233	
292	K0100147	Vibrating Screen III Deck TS- 2.30	
293	K0500047	210 TPH Svedala Vibrating Feeder	
294	K0500052	200 TPH Svedala Vibrating Feeder	
295	K0500070	200 TPH Svedala Vmot 46/12 Grizzly Feeder	
296	K0500102	300 TPH Metso Minerals Vmot 46/12 Grizzly	
297	K0500128	225 TPH Vibrating Feeder-Metso Minerals	
298	K0500129	225 TPH Vibrating Feeder-Metso Minerals	
299	K0500131	225 TPH Vibrating Feeder-Metso Minerals	
300	K0500180	Grizzly Feeder GF 1246	
301	K0600008	Screw Classifier Soc. General Machine Ed	
302	K0600011	Screw Classifier AAR TECH SERVICES MEM 9	
303	K1300002	Shuttle Conveyor 200 TPH Cobit Engg.	
304	K1300005	Shuttle Conveyor 200 TPH Cobit Engg.	
305	L0100026	36 MM P 36 Bar Bending Machine Icaro	
306	L0200062	55 MM Dia Bar Cutting Machine Icaro C-55	
307	L0200080	42 MM Bar Cutting Machine Icaro C-42	
308	M0100100	1 M. MYSORE KIRLOSKAR ENTERPRISE 400 LAT	
309	M0100135	Lathe Machine Atlas Super cul bed 16'	
310	M0200096	32 MM Radial Drilling Machine MAG-3	
311	M0500029	630 MM Shaping Machine Parksons Engg	
312	P0101397	75 HP; 900 LPM @ 200 M HEAD KIRLOSKAR PU	
313	P0101717	90 KW Centrifugal Pump M&P 150/200GST	
314	P0101735	20 HP Centrifugal pump PN 17, M & Platt	
315	P0101736	20 HP Centrifugal pump PN 17, M & Platt	
316	P0101737	20 HP Centrifugal pump PN 17, M & Platt	
317	P0101738	20 HP Centrifugal pump PN 17, M & Platt	
318	P0101739	20 HP Centrifugal pump PN 17, M & Platt	
319	P0101740	20 HP Centrifugal pump PN 17, M & Platt	
320	P0101741	20 HP Centrifugal pump PN 17, M & Platt	
321	P0101745	90 KW Centrifugal Pump M&P 150/200GST	
322	P0200151	75.50 HP Well Point Pump Diesel driven	
323	P0200152	75.50 HP Well Point Pump Diesel driven	
324	P0200153	75.50 HP Well Point Pump Diesel driven	
325	P0200154	75.50 HP Well Point Pump Diesel driven	
326	P0900667	25 HP; 3750 LPM @ 20 M HEAD MODY SUBMERS	
327	P0900826	50 HP Submersible Pump HD 50 H Hitec	
328	P0900858	25 HP Submersible Pump G 802T, Mody make	
329	P0900877	50 HP Submersible Pump HD 50H Hitec	
330	P0900886	35 HP Submersible Pump Hitec HD 35 H	
331	P0900887	35 HP Submersible Pump Hitec HD 35 H	
332	P0900888	35 HP Submersible Pump Hitec HD 35 H	
333	P0900889	35 HP Submersible Pump Hitec HD 35 H	
334	P0900890	35 HP Submersible Pump Hitec HD 35 H	
335	P0900892	35 HP Submersible Pump Hitec HD 35 H	
336	P0900907	50 HP Submersible Pump Hitec HD 50 H	
337	P0900909	50 HP Submersible Pump Hitec HD 50 H	
338	P0900910	35 HP Submersible Pump Hitec HD 35 H	
339	P0900911	35 HP Submersible Pump Hitec HD 35 H	
340	P0900912	35 HP Submersible Pump Hitec HD 35 H	
341	P0900913	35 HP Submersible Pump Hitec HD 35 H	
342	P0900917	35 HP Submersible Pump Hitec HD 35 H	
343	P0900932	35 HP Submersible Pump HD35H	
344	P0900933	35 HP Submersible Pump HD35H	
345	P0900934	35 HP Submersible Pump HD35H	
346	P0900935	35 HP Submersible Pump HD35H	
347	P0900936	35 HP Submersible Pump HD35H	
348	P0900937	75HP submersible Pump HD 75	
349	P0900938	75HP submersible Pump HD 75	



350	P0900962	35 HP Submersible Pump HD35H	
351	P0900963	35 HP Submersible Pump HD35H	
352	P0900964	35 HP Submersible Pump HD35H	
353	P0900965	75HP submersible Pump HD 75	
354	P0900966	75HP submersible Pump HD 75	
355	P0900967	75HP submersible Pump HD 75	
356	P0900968	75HP submersible Pump HD 75	
357	P0900969	75HP submersible Pump HD 75	
358	P0900988	35 HP Submersible Pump HD35H	
359	P0900991	35 HP Submersible Pump HD35H	
360	P0900992	35 HP Submersible Pump HD35H	
361	P0901001	35 HP Submersible Pump HD35H	
362	P0901002	35 HP Submersible Pump HD35H	
363	P0901004	50HP Submersible Pump HD50H	
364	P0901005	50HP Submersible Pump HD50H	
365	P0901009	50HP Submersible Pump HD50H	
366	P0901015	35 HP Submersible Pump HD35H	
367	P0901016	35 HP Submersible Pump HD35H	
368	Q0500100	10 Ton Vibratory Com. Greaves Bomag BW212	
369	Q0500104	10 Ton Vibratory Com. Greaves Bomag BW212	
370	R0100074	200 TR Chilling Plant Eu Industrial	
371	R0100077	160 TR Chilling Plant Eu Industrial	
372	R0100104	50 TR Chilled Water Plant EU	
373	R0300116	75 KW x 2 Ventilation fan Zitron	
374	R0300124	75 KW Ventilation fan Zitron ZVN 1-14-75	
375	R0300144	75 KW Ventilation fan Zitron ZVN 1-16-75	
376	R0300152	132 KW Ventilation Fan Zitron	
377	R0300163	75 KW Ventilation fan Zitron ZVN 1-16-75	
378	R0300169	75 KW Ventilation fan Zitron ZVN 1-14-75	
379	R0300176	75 KW Ventilation fan Zitron ZVN 1-16-75	
380	R0300183	250 KW Ventilation fan Zitron ZVN 1-18	
381	R0300184	250 KW Ventilation fan Zitron ZVN 1-18	
382	R0300185	250 KW Ventilation fan Zitron ZVN 1-18	
383	R0300187	250 KW Ventilation fan Zitron ZVN 1-18	
384	R0300192	250 KW Ventilation fan Zitron ZVN 1-18	
385	R0300193	250 KW Ventilation fan Zitron ZVN 1-18	
386	R0300194	250 KW Ventilation fan Zitron ZVN 1-18	
387	R0300198	355 KW Ventilation fan ZVN-1-18-355/4	
388	R0300200	250 KW Ventilation fan Zitron	
389	R0300217	132KW Ventilation Fan ZVN-16-132/4	
390	R0300218	132 KW Ventilation Fan ZVN -16-132/4	
391	R0300221	132 KW Ventilation Fan ZVN -16-132/4	
392	R0300228	75 KW Ventilation fan gEL9-75/2	
393	R0300240	355 KW Ventilation fan ZVN-1-18-355/4	
394	R0300241	355 KW Ventilation fan ZVN-1-18-355/4	
395	R0300242	75 KW Ventilation fan gEL9-75/2	
396	S0700128	Auto Compressor 34.1 cfm Elgi	
397	S1700015	Mobile Service Container	
398	S1700024	Maintenance Container(MSU)on 1613/42	
399	S1700030	Service Container for Boomer	
400	S2900005	12 HP Jet Cleaning Machine	
401	T0100575	Tata Chassis SE1613/42 Jet Cleaning Mach	
402	T0100589	Tata Chassis LPT 1613/42 Diesel Tanker	
403	T0100596	Tata Chassis LPK2516/38TC Transit Mixer	
404	T0100615	Tata Chassis LPK2516/38TC Transit Mixer	
405	T0100648	Tata Chassis LPK2516/38TC Transit Mixer	
406	T0100649	Tata Chassis LPK2516/38TC Transit Mixer	
407	T0100650	Tata Chassis LPK2516/38TC Transit Mixer	
408	T0100659	Tata Chassis LPK2516/38TC Transit Mixer	



409	T0100687	Tata Chassis SE1613/48 Mobile Service Un	
410	T0100724	Tata Chassis LPK2516/38TC Transit Mixer	
411	T0100731	Tata Chassis LPT1613/48TC Flat Bed Truck	
412	T0100757	Tata Chassis LPK2516/38TC Transit Mixer	
413	T0100758	Tata Chassis LPT1613/48Mobile Service Un	
414	T0100783	Tata Chassis LPT1613/42 Water Tanker	
415	T0100790	Tata Chassis for Truck mounted Crane	
416	T0100816	Tata Chassis LPK2516/38TC Transit Mixer	
417	T0100828	Tata Chassis LPT1613/48TC Flat Bed Truck	
418	T0100856	Ashok Leyland Chassis 2516H/4C Taurus	
419	T0100862	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
420	T0100864	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
421	T0100884	Tata Chassis LPT1613/42TC Scissor Lift	
422	T0100887	Tata Chassis LPT1613/42TC Scissor Lift	
423	T0100910	Tata Chassis LPK2516/38TC Transit Mixer	
424	T0100922	Tata Chassis LPK2516TC/38 Transit Mixer	
425	T0100923	Tata Chassis LPK2516TC/38 Transit Mixer	
426	T0100926	Tata chassis LPT1613/42Diesel bowser mou	
427	T0100927	Tata Chassis LPT1613/42 Water Tanker	
428	T0100928	Tata Chassis LPT1613/42 Water Tanker Mou	
429	T0100929	Tata Chassis LPT1613/48TC Flat Bed Truck	
430	T0100932	Tata LPT1613/42 ch.for HAIB articu.crane	
431	T0100939	Tata chassis LPT1613/42Diesel bowser	
432	T0100941	Tata ch. LPT 1613/42 for Scissor Lift	
433	T0100956	Tata chassis LPT 1613/42 for S. lift	
434	T0100961	Tata Chassis LPK 2516TC/38 for T.Mixer	
435	T0100993	Tata ch. SE 1613TC/42 for Transit Mixer	
436	T0101013	Tata LPT 1613/48 Flat bed Truck	
437	T0101014	Tata LPT 1613TC/42 for Diesel Refueller	
438	T0101015	Tata LPT 1616/42 Chassis for S.Lift	
439	T0101017	Tata LPK2518 Chassis for Transit Mixer	
440	T0101018	Tata LPK2518 Chassis for Transit Mixer	
441	T0101020	Tata LPT 1616/42 Chassis for W.Tanker	
442	T0101022	Tata LPT 1616/42 Chassis for W.Tanker	
443	T0101033	Tata LPT 1616/48 Truck (CLB)	
444	T0101041	Tata LPT 1616/48 for Articulated Crane	
445	T0101042	Tata LPT 1616/48 Truck (CLB)	
446	T0101043	Tata ch.SE 1613TC/42 for Transit Mixer	
447	T0101052	Tata ch.SE 1613TC/42 for Transit Mixer	
448	T0101065	Tata LPK2518 Chassis for Transit Mixer	
449	T0101091	Tata LPK2518 Chassis for Transit Mixer	
450	T0101092	Tata LPK2518 Chassis for Transit Mixer	
451	T0200140	Pulling Unit Tata LPS 4018	
452	T0300174	25 Ton Trailer Semi Low Bed Satrac	
453	T0400110	28 Ton Tatra Trucks Hemang Dumper	
454	T0400111	28 Ton Tatra Trucks Hemang Dumper	
455	T0400112	28 Ton Tatra Trucks Hemang Dumper	
456	T0500126	SWARAJ MAZDA 32 SEATER MINI BUS	
457	T0500191	AMBULANCE 2 STRECHER	
458	T0500220	TATA LP 709/38 STAR BUS 32	
459	T0500265	MINI TRUCK Tata 407/34	
460	T0500320	Ambulance van 4 WD Swaraj Mazda	
461	T0500322	Tata Mini truck SCF 407/31	
462	T0500326	AMBULANCE Tata Winger	
463	T0500352	Tata Mobile 207 DI RX (Diesel Bouser)	
464	T0500361	Tata Mobile 207 DI RX (Diesel Bouser)	
465	T0600368	TOYOTA INNOVA -V	
466	T0600369	TOYOTA INNOVA -V	
467	T0600402	Scorpio Mahindra SLX 4WD	



468	T0600407	Tata Safan Dicor 2.2 VTT 4x4	
469	T0600425	Scorpio Mahindra MHawk VIX 4 WD	
470	T0800116	Diesel Locomotive 25 Ton	
471	T0800117	Diesel Locomotive 25 Ton	
472	T0900903	16 Ton Tata Hyva Dumper LPK2516 TC/38	
473	T0900907	16 Ton Tata Hyva Dumper LPK2516 TC/38	
474	T0900926	16 Ton Tata Hyva Dumper LPK2516 TC/38	
475	T0900935	16 Ton Tata Hyva Dumper LPK2516 TC/38	
476	T0900958	16 Ton Tata Hyva Dumper LPK2516 TC/38	
477	T0900960	16 Ton Tata Hyva Dumper LPK2516 TC/38	
478	T0900961	16 Ton Tata Hyva Dumper LPK2516 TC/38	
479	T0900963	16 Ton Tata Hyva Dumper LPK2516 TC/38	
480	T0900971	16 Ton Tata Hyva Dumper LPK2516 TC/38	
481	T0900976	16 Ton Tata Hyva Dumper LPK2516 TC/38	
482	T0900978	16 Ton Tata Hyva Dumper LPK2516 TC/38	
483	T0900979	16 Ton Tata Hyva Dumper LPK2516 TC/38	
484	T0901085	9 Ton Tata Tipper SK1613TC36	
485	T0901091	16 Ton Tata Hyva Tipper LPK2516TC38	
486	T0901093	16 Ton Tata Hyva Tipper LPK2516TC38	
487	T0901189	9 Ton Tata Tipper SK1613TC36	
488	T0901345	9 Ton Tata Tipper SK1613TC36	
489	T0901346	9 Ton Tata Tipper SK1613TC36	
490	T0901418	25 ton Volvo Tipper Rock body 14 cum	
491	T0901422	25 ton Volvo Tipper Rock body 14 cum	
492	T0901423	25 ton Volvo Tipper Rock body 14 cum	
493	T0901432	25 ton Volvo Tipper Rock body 14 cum	
494	T0901436	25 ton Volvo Tipper Rock body 14 cum	
495	T0901437	25 ton Volvo Tipper Rock body 14 cum	
496	T0901438	25 ton Volvo Tipper Rock body 14 cum	
497	T0901468	16 Ton Hyva dumper Tata LPK 2518 TC	
498	T0901480	16 Ton Hyva dumper Tata LPK 2518 TC	
499	T0901481	16 Ton Hyva dumper Tata LPK 2518 TC	
500	T0901482	16 Ton Hyva dumper Tata LPK 2518 TC	
501	T0901495	16 Ton Hyva dumper Tata LPK 2518 TC	
502	T0901506	16 Ton Box Tipper LPK 2523 TC 6x4	
503	T0901507	16 Ton Box Tipper LPK 2523 TC 6x4	
504	T0901508	16 Ton Box Tipper LPK 2523 TC 6x4	
505	T0901509	16 Ton Box Tipper LPK 2523 TC 6x4	
506	T0901511	16 Ton Box Tipper LPK 2523 TC 6x4	
507	T0901512	16 Ton Box Tipper LPK 2523 TC 6x4	
508	T0901515	16 Ton Rock Body Scoop Tipper LPK2518	
509	T0901516	16 Ton Rock Body Scoop Tipper LPK2518	
510	T0901521	16 Ton Rock Body Scoop Tipper LPK2518	
511	T0901522	16 Ton Rock Body Scoop Tipper LPK2518	
512	T0901533	16 Ton Box Tipper LPK 2523 TC/38 6x4	
513	T0901534	16 Ton Box Tipper LPK 2523 TC/38 6x4	
514	T0901535	10Ton Tata LPK 1618/36 Scoop type Tipper	
515	T0901540	10Ton Tata LPK 1618/36 Scoop type Tipper	
516	T0901559	16 Ton Bharat Benz Dumper 2528CH 6x4	
517	T0901560	16 Ton Bharat Benz Dumper 2528CH 6x4	
518	V0300082	EPABX (SIEMENS HIPATH 1150)	
519	V1800174	TOTAL STATION	
520	V1800022	1 Sec. Tunnel Profiler TCRA 1201 R 400	
521	W0100231	400 AMP Diesel Welding Set Esab EDW 400	
522	W0100233	400 AMP Diesel Welding Set Esab EDW 400	
523	W0100234	400 AMP Diesel Welding Set Esab EDW 400	
524	W0200193	320 AMP Welding Motor Gen. Advani Orlikon	
525	W0200194	320 AMP Welding Generator Advani Orlikon	
526	W0200222	320 AMP Welding Generator Ador Orlikon	

527	W0200225	320 AMP Welding Generator Ador Orlikon	
528	W0400184	400 AMP Welding Rectifiers Advani Orliko	
529	W0400186	400 AMP Welding Rectifiers Advani Orliko	
530	X0500003	2500 KG. MAX. STATIC LOAD BORETEC STH-5L	
531	X0500004	2500 KG. STATIC LOAD BORETEC STH-5LS RAI	
532	X0600034	100 T Electroni Mobile Weig Essae TM-950	
533	X0600048	150 T Weigh Bridge Electronic Sartorius	
534	X0600054	150 Ton Satorius Weigh Bridge	
535	X0600083	100T Weigh Bridge Avery	
536	X1600009	Tunnel Boring M/C TERRATEC T-45 9.86M	
537	X1700005	Boiler make Fuel Pac FWH - 400	
538	X1700006	Boiler make Fuel Pac FWH - 400	
539	X2000002	Waste Water Treatment Plant 1 MLD	

Yaman



List of Hired Equipment with Working Hrs.

Project: VPHEP			Month: April 2024
Sr. No.	Log No.	Description	Name of Hiring Agency
Power house			
1	H040052H	JCB 3DX UK14CA1299	M/S Gairola Enterprises
2	H050212H	Excavator with breaker JCB-205	M/S IS Transport
3	H050233H	Excavator with breaker TATA HITACHI-200	M/S IS Transport
4	H050244H	Excavator JCB-205	M/S IS Transport
5	H050210H	Excavator with breaker Hyundai-150	M/S IS Transport
6	H050249H	Excavator JCB-205	M/S Gairola developers
7	H050194H	Excavator JCB-140	M/S Gairola developers
8	H050095H	Excavator TATA EX-70	M/S IS Transport
9	H050096H	Excavator PC-200	M/S Jai Bhaironath
10	H050252H	Excavator Hyundai 215	M/S Jai Bhaironath
11	H050112H	Excavator with breaker Hyundai 215	M/S IS Transport
12	H050234H	Excavator with breaker JCB-215	M/S IS Transport
13	H050169H	Excavator JCB 205	M/S Arvind Hatwal
14	H050186H	Excavator JS 150	M/S IS Transport
15	H050251H	Excavator JS-215	M/S IS Transport
16	H050239H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
17	H050242H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
18	T010074H	Water Tanker Mahindra DI UK11CA1022	M/S Anita Devi
19	T090117H	Dumper 16 Ton LPK1618 TC UK11CA1347	M/S Jai Bhaironath
20	T090118H	Dumper 16 Ton LPK1618 TC UK11CA1324	M/S Jai Bhaironath
21	T090119H	Dumper 16 Ton LPK1618 TC UK11CA3737	M/S Jai Bhaironath
22	T090316H	Dumper 25 Ton Bharat Banz 2523C UK14CA4355	M/S Jai Bhaironath
23	T090317H	Dumper 25 Ton Bharat Banz 2523C UK14CA4356	M/S Jai Bhaironath
24	T090334H	Dumper 25 Ton Bharat Banz 2523C UK14CA4512	M/S Jai Bhaironath
25	T090333H	Dumper 25 Ton Bharat Banz 2523C UK14CA4516	M/S Jai Bhaironath
26	T090331H	Dumper 25 Ton Bharat Banz 2523C UK14CA4515	M/S Jai Bhaironath
27	T090332H	Dumper 25 Ton Bharat Banz 2523C UK14CA4514	M/S Jai Bhaironath
28	T090336H	Dumper 25 Ton Bharat Banz 2523C UK14CA4630	M/S Jai Bhaironath
29	T090337H	Dumper 25 Ton Bharat Banz 2523C UK14CA4631	M/S Jai Bhaironath
30	T090362H	Dumper 25 Ton Tata Signa 2625KUK14CA5577	M/S Aswal



31	T090398H	Dumper 25 TonTata Signa 2825K UK14CA9595	M/S Aswal
32	T090299H	Dumper 25 TonBharat Banz 2523C UK14CA2037	M/S IS Transport
33	T090124H	Dumper 25 TonAshok Leyland 2523UK14CA4604	M/S IS Transport
34	T090233H	Dumper 16 TonLPK1618 TC UK09CA1012	M/S Arvind Hatwal
35	T090234H	Dumper 16 TonLPK1618 TC UK09CA1014	M/S Arvind Hatwal
DAM			
36	H050097H	ExcavatorTATA PC-200	M/S IS Transport
37	H050098H	ExcavatorHyundai - PC 350	M/S IS Transport
38	H050100H	ExcavatorPC-215	M/S IS Transport
39	H050092H	ExcavatorPC-215	M/S IS Transport
40	H050107H	ExcavatorPC-300	M/S IS Transport
41	H050213H	ExcavatorPC-300	M/S IS Transport
42	H050214H	ExcavatorTata PC-200	M/S IS Transport
43	H050248H	Excavator with breaker Hyundai-215L	M/S Suraj Sailani
44	H050235H	Excavator with breaker. Tata 210	M/S AR Associates
45	H090112H	Hydra Crane Hydra 14T UK 14F 5183	M/S AB Infratech
46	T010120H	6 M3 Transit Mixer TATA 2823 UK14CA4332	M/S IS Transport
47	T010101H	6 M3 Transit MixerAL-2518 UK14-CA-3781	M/S IS Transport
48	T010100H	6 M3 Transit MixerAL-2518 UK14-CA-3780	M/S IS Transport
49	T010121H	6 M3 Transit MixerTATA 2823 UK14-CA-4335	M/S IS Transport
50	T010122H	6 M3 Transit MixerTATA 2823 UK14-CA-4367	M/S IS Transport
51	T010123H	6 M3 Transit MixerTATA 2823 UK 14CA 4368	M/S IS Transport
52	T090114H	Dumper 16 TonTATA 1618 UK 11CA 0640	M/S Sanjeev Kumar
53	T090322H	Dumper 16 TonTATA 1618 UK 11CA 1740	M/S Sanjeev Kumar
54	T090298H	Dumper 16 TonTATA 1618 UK11CA 1640	M/S Vijay Ram
55	T090364H	Dumper 16 TonTATA 1618 UK11CA 1840	M/S Vijay Ram
56	T090277H	Dumper 25 TonAshok Leyland 2523 UK04CA 6761	M/S S S Bisht
57	T090359H	Dumper 16 TonTATA 1618 UK11CA1993	M/S Deepa Devi
58	T090358H	Dumper 16 TonTATA 1618 UK11CA0993	M/S Deepa Devi
59	T090379H	Dumper 16 TonTATA 1618 UK 11CA 8931	M/S Suraj Sailani

60	T090300H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3361	M/S IS Transport
61	T090315H	Dumper 25 TonBharat Banz 2523C UK14CA4334	M/S IS Transport
62	T090326H	Dumper 25 TonAshok Leyland 2523 UK14CA4389	M/S IS Transport
63	T090327H	Dumper 25 TonAshok Leyland 2523 UK14CA4390	M/S IS Transport
64	T090125H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2979	M/S IS Transport
65	T090130H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3360	M/S IS Transport
66	T090314H	Dumper 25 TonBharat Banz 2523C UK 14CA 4331	M/S IS Transport
67	T090131H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2980	M/S IS Transport
68	T090167H	Dumper 25 TonBharat Banz 2523C UK 14CA 2214	M/S IS Transport
69	T090357H	Dumper 25 TonBharat Banz 2523C UK14CA 3089	M/S IS Transport
70	T090360H	Dumper 25 TonBharat Banz 2523C UK 14CA 3061	M/S IS Transport
71	T090361H	Dumper 25 TonBharat Banz 2523C UK 14CA 2980	M/S IS Transport
72	T090363H	Dumper 16 TonTata 1613 HP 38F 3819	M/S Aswal
73	T090347H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5672	M/S AR Associates
74	T090381H	Dumper 25 TonAshok Leyland 2523 UK 07CB 7101	M/S AR Associates
75	T090348H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5673	M/S AR Associates
76	T090350H	Dumper 16 TonTATA 1618 UK 07CB 0585	M/S AR Associates



List of vehicle and Equipment

Project:		VPHEP	May'24
Sr. No.	Log No	Equipment Description	Remarks
1	A0500244	100 Kva Diesel Generating Set Powerica	
2	A0500277	500 Kva Diesel Generating Set Til	
3	A0500285	500 Kva Diesel Generating Set Til	
4	A0500306	75 Kva Diesel Generating Set Powerica	
5	A0500376	75 Kva Diesel Generating Set Powerica	
6	A0500416	30 Kva Diesel Generating Set Powerica	
7	A0500417	30 Kva Diesel Generating Set Powerica	
8	A0500426	15 Kva Diesel Generating Set Powerica	
9	A0500443	30 Kva Diesel Generating Set Sudhir	
10	A0500446	30 Kva Diesel Generating Set Sudhir	
11	A0500544	320 Kva Diesel Generating Set Til	
12	A0500546	40 Kva Diesel Generating Set Powerica	
13	A0500548	320 Kva Diesel Generating Set Sudhir	
14	A0500637	500 Kva Diesel Generating Set Til	
15	A0500642	500 Kva Diesel Generating Set Til	
16	A0500643	500 Kva Diesel Generating Set Til	
17	A0500653	500 KVA Diesel Generating Set TIL	
18	A0500662	500 KVA Diesel Generating Set GMMCO	
19	A0500663	320 KVA Diesel Generating Set GMMCO	
20	A0500664	500 KVA Diesel Generating Set GMMCO	
21	A0500667	2000 KVA Prime Power DG Set TIL	
22	A0500668	2000 KVA Prime Power DG Set TIL	
23	A0500669	2000 KVA Prime Power DG Set TIL	
24	A0500670	2000 KVA Prime Power DG Set TIL	
25	A0500681	1010 Kva Diesel Generating Set	
26	A0500683	1010 Kva Diesel Generating Set	
27	A0600135	1250KVA 11/0.43KV Power Trans.Crompton	
28	A0600138	250KVA 11/0.43KV Power Trans.Gec	
29	A0600155	315KVA 11/0.43KV Power Trans.Gec	
30	A0600158	500KVA 11/0.43KV Power Trans	
31	A0600194	2500KVA 11/433V Power Trans.Vivekanand	
32	A0600215	500KVA 11/0.43KV Power Trans.Vivekanand	
33	A0600250	500KVA 11/0.43KV Power Trans.Vivekanand	
34	A0600254	250KVA 22/11/0.43KV Power Trans Vivekana	
35	A0600260	750KVA 33-11/0.43KV Power Trans Vivekana	
36	A0600263	1500KVA 11/0.43KV Power Trans.Vivekanand	
37	A0600282	1250KVA 11/0.43KV Power Trans.Stanlec	
38	A0600302	1000KVA 11/0.44KV Power Trans Vivekanand	
39	A0600304	750KVA 11/0.43KV Power Trans.Vivekanand	
40	A0600338	160 KVA Power Transformer Vivekanand	
41	A0600358	2500 KVA Power Transformer	
42	A1400002	Synchronizing Panel	
43	B0500131	Wagon Drill Atlas Copco BBC 120F	
44	B0600100	Crawler Drill Atlas Copco ROC 203	
45	B0600102	Crawler Drill Atlas Copco ROC 203	
46	B0600106	Crawler Drill Atlas Copco ROC 203	
47	B0600107	Crawler Drill Atlas Copco ROC 203	
48	B0600108	Crawler Drill Atlas Copco ROC 203	
49	B0600109	Crawler Drill Atlas Copco ROC 203	
50	B0600114	Crawler Drill Atlas Copco ROC 203	
51	B0600133	Crawler Drill Atlas Copco ROC 203	
52	B0600134	Crawler Drill Atlas Copco ROC 203	
53	B0600135	Crawler Drill Atlas Copco ROC 203	
54	B0600136	Crawler Drill Atlas Copco ROC 203	



55	B0600137	Hydraulic Crawler drill DX 700 Sandvik	
56	B0600138	Hydraulic Crawler drill DX 700 Sandvik	
57	B0600147	Crawler Drill Atlas Copco ROC 203	
58	B0600150	Crawler Drill Atlas Copco ROC 203	
59	B0600151	Crawler Drill Atlas Copco ROC 203	
60	B0600153	Crawler Drill Atlas Copco ROC 203	
61	B0600157	Crawler Drill Atlas Copco ROC 203	
62	B0600162	Crawler Drill Atlas Copco ROC 203	
63	B0600169	Crawler Drill Atlas Copco ROC 203	
64	B0600172	Hydraulic Surface drill Sandvik DQ 500	
65	B0600173	Hydraulic Surface drill ROC T20 R	
66	B0600179	Hydraulic Surface drill Sandvik DC 302 R	
67	B0600180	Hydraulic Surface drill Sandvik DC 302 R	
68	B0600181	Hydraulic Surface drill Sandvik DC 302 R	
69	B0600182	Hydraulic Surface drill Sandvik DC 302 R	
70	B0900039	Hyd.2 boom drilling Jumbo Atlascopco L2D	
71	B0900042	Hyd.2 boom drilling Jumbo Atlascopco L2D	
72	B0900052	Hyd.2 boom drilling Jumbo AXERA 8-290	
73	B0900054	Hyd.2 boom drilling Jumbo AXERA 8-290	
74	B0900058	Hyd.2 boom drilling Jumbo AXERA 8-290	
75	B0900059	Hyd.2 boom drilling Jumbo AXERA DT 820	
76	B0900061	Hyd.2 boom drilling Jumbo AXERA DT 820	
77	B0900068	Hyd.2 boom drilling Jumbo AXERA DT 820	
78	B0900069	Hyd.2 boom drilling Jumbo AXERA DT 820	
79	B0900074	Hyd.2 boom drilling Jumbo AXERA DT 820	
80	B0900075	Hyd.2 boom drilling Jumbo AXERA DT 820	
81	B0900076	Hyd.2 Boom Drilling Jumbo AXERA DT 820	
82	B0900082	Hyd.2 boom drilling Jumbo Atlascopco L2D	
83	B0900085	Hyd.2 boom drilling Jumbo DT 820	
84	B0900086	Hyd.2 boom drilling Jumbo DT 820	
85	B0900091	Hyd.2 Boom Drilling Jumbo Atlascopco 282	
86	B0900092	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
87	B0900093	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
88	B0900097	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
89	B0900109	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
90	B0900110	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
91	B1200062	Hyd.Rock Breaker Atlascopco MB1200	
92	C0100123	600 cfm Ingersoll Rand Diesel Compressor	
93	C0100207	600 cfm Atlas Copco Diesel Air Compressor	
94	C0100218	600 cfm Atlas Copco Diesel Compressor	
95	C0100232	600 cfm Atlas Copco Diesel Compressor	
96	C0100253	600 cfm Atlas Copco Diesel Compressor	
97	C0100272	600 cfm Atlas Copco Diesel Compressor	
98	C0100274	600 cfm Atlas Copco Diesel Compressor	
99	C0100280	600 cfm Atlas Copco Diesel Compressor	
100	C0100282	600 cfm Atlas Copco Diesel Compressor	
101	C0100290	600 cfm Atlascopco Diesel Compressor	
102	C0100291	600 cfm Atlascopco Diesel Compressor	
103	C0100299	300 cfm Compressor Atlascopco XA 146 HD	
104	C0100309	600 cfm Atlas copco Diesel Compressor	
105	C0200159	585 cfm Atlas Copco Electric Compressor	
106	C0200167	816 cfm Atlas Copco Belgium Gr200w Compr	
107	C0200186	587 cfm Atlas Copco Electric Compressor	
108	C0200190	572 cfm Elect.Compressor Atlascopco GA90	
109	C0200195	572 cfm Elect.Compressor Atlascopco GA90	
110	C0200204	572 cfm Elect.Compressor Atlascopco GA90	
111	C0200206	572 cfm Elect.Compressor Atlascopco GA90	
112	C0200208	572 cfm Elect.Compressor Atlascopco GA90	
113	C0200209	572 cfm Elect.Compressor Atlascopco GA90	



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114	C0200210	572 cfm Elect.Compressor Atlascopco GA90	
115	C0200213	572 cfm Elect.Compressor Atlascopco GA90	
116	C0200214	572 cfm Elect.Compressor Atlascopco GA90	
117	C0200215	572 cfm Elect.Compressor Atlascopco GA90	
118	C0200216	572 cfm Elect.Compressor Atlascopco GA90	
119	C0200223	600 Cfm Compressor Atlascopco GA 90 AWP	
120	C0200224	600 Cfm Compressor Atlascopco GA 90 AWP	
121	C0200225	600 cfm Compressor Atlascopco GA 90 AWP	
122	C0200227	600 cfm Compressor Atlascopco GA 90 7.5	
123	D0100290	0.75M3 Gamzen 750RD Concrete Mixer	
124	D0100303	0.60m3 Concrete Mixer Electric PENTA 750	
125	D0300044	35 TPH Vertical Cement Screw	
126	D0400057	120 M3 Simem Wetbeton 120 Batching Plant	
127	D0400058	120 M3 Simem Wetbeton 120 Batching Plant	
128	D0400071	60M3 Schwing Stetter H 1.25 Batching Pla	
129	D0400077	25 M3 Siemem WB 25 Batching Plant	
130	D0400082	25 M3 Siemem WB 25 Batching Plant	
131	D0400084	25 M3 Siemem WB 25 Batching Plant	
132	D0500037	42 M3 HR.BP-1800 HDR D Portable Schwing	
133	D0500049	30 M3 Concrete Pump Sany Diesel	
134	D0500080	30 M3 Concrete Pump Schwing BP 350E	
135	D0500082	30 M3 Concrete Pump Greaves BP 350	
136	D0500085	30 M3 Concrete Pump Schwing stetter BP	
137	D0500087	42 M3 Concrete Pump BP1800 HDR-E	
138	D0500096	30 M3 Concrete Pump S.Stetter BP 350 EXT	
139	D0500100	30 M3 Concrete Pump S.Stetter BP 350 EXT	
140	D0500117	30 M3 Concrete Pump BP 350 EXT	
141	D0500126	30 M3 Concrete Pump BP 350 EXT	
142	D0500127	30 M3 Concrete Pump BP 350 EXT	
143	D0500132	60 M3 Concrete Pump SP1800	
144	D0500133	60 M3 Concrete Pump SP1800	
145	D1100039	4M³ Transit Mixer Shirke	
146	D1100079	6M³ Transit Mixer Schwing Stetter	
147	D1100093	6M³ Transit Mixer Shirke	
148	D1100109	6M³ Transit Mixer Shirke	
149	D1100124	6M³ Transit Mixer Schwing Stetter	
150	D1100125	6M³ Transit Mixer Schwing Stetter	
151	D1100127	6M³ Transit Mixer Schwing Stetter	
152	D1100130	6M³ Transit Mixer Schwing Stetter	
153	D1100170	6M³ Transit Mixer Schwing Stetter	
154	D1100178	6M³ Transit Mixer Schwing Stetter	
155	D1100188	6M³ Transit Mixer Schwing Stetter	
156	D1100232	6M³ Transit Mixer Schwing Stetter	
157	D1100233	6M³ Transit Mixer Schwing Stetter	
158	D1100235	6M³ Transit Mixer Schwing Stetter	
159	D1100248	6M³ Transit Mixer Schwing Stetter	
160	D1100249	6M³ Transit Mixer Schwing Stetter	
161	D1100267	6M³ Transit Mixer S.Stetter AM 6SHN-RH	
162	D1100286	4M³ Transit Mixer Sch.stetter AM4 SHN	
163	D1100289	4M³ Transit Mixer Sch.stetter AM4 SHN	
164	D1100290	4M³ Transit Mixer Sch.stetter AM4 SHN	
165	D1100293	6M³ Transit Mixer S.Stetter AM6 SHN -RH	
166	D1100296	6M³ Transit Mixer S.Stetter AM6 SHN -RH	
167	D1100329	6M³ Transit Mixer S.Stetter AM6 SHN 2	
168	D1100330	6M³ Transit Mixer S.Stetter AM6 SHN 2	
169	D1600002	Design, Engineering AND Complete Tunnel	
170	E0100030	1 M3 Dry Shotcrete Machine	
171	E0100046	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
172	E0100057	30 M3 Wet Shotcrete M/C With robo arm	



173	E0100062	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
174	E0100072	20 M3 Dry Shotcrete Machine	
175	E0100078	30 M3 Wet Shortcrete M/C With robo arm	
176	E0100079	5-7 M3 Wet Shotcrete Machine	
177	E0100080	30 M3 Wet Shortcrete M/C With robo arm	
178	E0100083	30 M3 Wet Shortcrete M/C With robo arm	
179	E0100094	33 M3 Wet shotcrete Pump	
180	E0100098	30 M3 Wet Shortcrete M/C With robo arm	
181	E0100099	30 M3 Wet Shortcrete M/C With robo arm	
182	E0100100	30 M3 Wet Shortcrete M/C With robo arm	
183	E0100102	30 M3 Wet Shortcrete M/C With robo arm	
184	E0100107	30 M3 Wet Shortcrete M/C With robo arm	
185	E0100108	30 M3 Wet Shortcrete M/C With robo arm	
186	E0100113	30 M3 Wet Shortcrete M/C With robo arm	
187	E0100115	20 M3 Wet Shotcrete M/C with robo arm	
188	E0100127	Wet shotcrete Machine TSR 30.14	
189	E0100128	Wet shotcrete Machine TSR 30.14	
190	E0700007	0-200 Lpm Atlas Copco Gr. System Model E2	
191	E0700008	Atlas Copco Grouting Equipment	
192	E0700036	Uni Grout E 200 100 - 12 H	
193	E0700045	Grouting Equipment Unigrout E 200 100	
194	E0700046	Mai injection Grout Pump M 400 NT	
195	E0700047	Mai Grout Pump M 400 NT	
196	E0700048	Mai Grout Pump M 400 NT	
197	E0700057	Uni Grout Pump 100-12 EH	
198	E0700066	Mai Grout Pump Atlascopco M 400 NT	
199	E0700083	Mai Grout Pump Atlascopco M 400 NT	
200	E0700105	Mai Grout Pump Atlas Copco M 400 NT	
201	E0700106	Mai Grout Pump Atlas Copco M 400 NT	
202	E0700107	Mai Grout Pump Atlas Copco M 400 NT	
203	E0700108	Mai Grout Pump Atlas Copco M 400 NT	
204	E0700109	Mai Grout Pump Atlas Copco M 400 NT	
205	E0700118	Mai Grout Pump Atlas Copco M 400 NT	
206	E0700127	Mai Grout Pump Atlas Copco M 400 NT	
207	E0700128	Mai Grout Pump Atlas Copco M 400 NT	
208	E0700129	Mai Grout Pump Atlas Copco M 400 NT	
209	E0700130	Mai Grout Pump Atlas Copco M 400 NT	
210	G0200052	12.50 Ton Electromech Gantry Crane	
211	G0200085	20 Ton Gantry Crane Anupam span 25 mtr	
212	G0200087	20 Ton EOT Crane Anupam span 25mtr	
213	G0200088	5 Ton EOT Crane Anupam span 25mtr.	
214	G0200092	30 Ton Gantry Crane for pressure Shaft	
215	G0200093	30 Ton Gantry Crane for pressure Shaft	
216	G0200102	5 Ton Electromech Gantry Crane Span 20M	
217	G0200109	5 Ton Gantry Crane Span 14M HuH 6m	
218	G0200114	10 Ton Electromech Gantry Crane	
219	G0200115	35 Ton Gantry Crane	
220	G0200123	D/G 30T Gantry Crane w/o Crab 30M Span	
221	G0300055	10 T@40M Shirke Potain Tower Crane	
222	G0300058	10 T@30M Shirke Potain Tower Crane	
223	G0700015	FORKLIFT	
224	G0700028	Furukawa Unic Crane URV 504 TR. MOUNTED	
225	G0700032	Articulated crane mounted on LPK1613/42	
226	G0700037	Electric Forklift GX 300E Godrej	
227	G0700038	3.50 T Maniscopic Telehandler MT 1235 S	
228	G0700039	3.50 T Maniscopic Telehandler MT 1235 S	
229	G0700043	3.50 T Maniscopic Telehandler MT 1235 S	
230	G0700059	3.50 Maniscopic Telehandler MT1235S	
231	G0700062	3.50 Maniscopic Telehandler MT1235S	



232	G0700066	Articulated Crane mounted on LPT 1616/48	
233	G0700077	4T Manitou Telehandler MT-X-1440 c/w R C	
234	G0700078	Telehandler JCB 3T 5311A	
235	G0700079	Telehandler JCB 3T 5311A	
236	G1200001	Two Segment Lifter 5 Ton Scissor type	
237	H0100084	Crawler Dozer 165HP Hindustan Motors	
238	H0100109	Crawler Dozer 165HP Shanghai Peng Pu Pd	
239	H0100116	Crawler Dozer 165HP Shanghai Peng Pu Pd	
240	H0100118	Crawler Dozer 320HP Shanghai Peng Pu Pd	
241	H0100125	Crawler Dozer 104HP Komatsu D41-E-6	
242	H0100129	Crawler Dozer 180 HP D 65E-12	
243	H0400053	Back Hoe Loader JCB 4DX	
244	H0400074	Back Hoe Loader JCB 4DX	
245	H0400075	Back Hoe Loader JCB 4DX	
246	H0400076	Back Hoe Loader JCB 4DX	
247	H0500193	0.30 M3 Hydraulic Excavator JCB JS 80	
248	H0500241	0.93 M3 Hydraulic Excavator L&T PC-200-6	
249	H0500264	0.93 M3 Hydraulic Excavator L&T PC-200-6	
250	H0500265	0.93 M3 Hydraulic Excavator L&T PC-200-6	
251	H0500268	0.93 M3 Hydraulic Excavator L&T PC-200-6	
252	H0500285	2.10 M3 Hydraulic Excavator L&T PC 300-7	
253	H0500294	Zero Tail Swing Hyd. Excavator VIO 20-3-P	
254	H0600045	65 Ton Crawler Crane Sumitomo SC-650-II	
255	H0600062	80 Ton Crawler Crane Fushun ACC.800	
256	H0800088	3 M3 Wheel Loader CAT 966 F Side dump	
257	H0800098	3 M3 Wheel Loader CLG 856 Side Dump	
258	H0800105	3 M3 Wheel Loader CLG 856 Side Dump	
259	H0800112	2.7 M3 Wheel Loader CLG 856 Side Dump	
260	H0800118	2.7 M3 Wheel Loader CLG 856 Side Dump	
261	H0800135	1.80 M3 F.End Loader 432ZX With S.Bucket	
262	H0800147	1.80 M3 F.End Loader 432ZX with S.bucket	
263	H0800154	2.7 M3 Wheel Loader CAT 950 H Side dump	
264	H0800163	2.7 M3 Wheel Loader CLG 856 BS III	
265	H0800164	2.7 M3 Wheel Loader CLG 856 BS III Side	
266	H0900065	25 Ton Mobile/Rough Terrain Crane KR25H	
267	H0900070	10 Ton Mobile/Rough Terrain Crane K-10	
268	H0900086	25 Ton Mobile Crane Kato KR 25H-V	
269	H0900094	30 Ton Hyd.Mobile Crane RT 630C	
270	H0900095	30 Ton Hyd.Mobile Crane RT 630C	
271	H0900098	30 Ton Hyd.Mobile Crane TIL RT 630	
272	H0900106	14 Ton Pick and Carry Crane F 15	
273	H0900107	14 Ton Pick and Carry Crane F 15	
274	H0900116	30 Ton Hyd.Mobile Crane Escort RT 30	
275	J0100069	250 Ton Jaw Crusher Svedala Arbra1208 HD	
276	J0100086	175 TPH Jaw Crusher Nawa Engg.&Consultan	
277	J0100096	175 TPH Jaw Crusher JM 1108	
278	J0300022	250 TPH Cone Crusher Svedala Arb H-3000E	
279	J0300023	250 TPH Hyd Cone Crusher Svedala Arb H	
280	J0300025	250 TPH Cone Crusher Svedala Arb S-000EC	
281	J0300042	Cone Crusher Metso GP11F	
282	J0300051	175 TPH Hydrocone Crusher Sandvik S-3800	
283	J0500011	200 TPH Vertical Shaft Impactor Svedala	
284	J0500018	300 TPH Vertical Shaft Impactor Metso Mi	
285	J0500022	Vertical Shaft Impactor (METSO B9100 DD)	
286	J0500031	Vertical Shaft Impactor MetsoNordberg	
287	J0800018	200 TPH Crushing Plant	
288	J0800025	100 Ton Crushing Plant (assembled)	
289	K0100111	150 TPH Vibrating Screen Metso Minerals	
290	K0100121	300 TPH Vibrating Screen Metso Minerals	



291	K0100146	Vibrating Screen III Deck SS1233	
292	K0100147	Vibrating Screen III Deck TS- 2.30	
293	K0500047	210 TPH Svedala Vibrating Feeder	
294	K0500052	200 TPH Svedala Vibrating Feeder	
295	K0500070	200 TPH Svedala Vmot 46/12 Grizzly Feeder	
296	K0500102	300 TPH Metso Minerals Vmot 46/12 Grizzly	
297	K0500128	225 TPH Vibrating Feeder-Metso Minerals	
298	K0500129	225 TPH Vibrating Feeder-Metso Minerals	
299	K0500131	225 TPH Vibrating Feeder-Metso Minerals	
300	K0500180	Grizzly Feeder GF 1246	
301	K0600008	Screw Classifier Soc. General Machine Ed	
302	K0600011	Screw Classifier AAR TECH SERVICES MEM 9	
303	K1300002	Shuttle Conveyor 200 TPH Cobit Engg.	
304	K1300005	Shuttle Conveyor 200 TPH Cobit Engg.	
305	L0100026	36 MM P 36 Bar Bending Machine Icaro	
306	L0200062	55 MM Dia Bar Cutting Machine Icaro C-55	
307	L0200080	42 MM Bar Cutting Machine Icaro C-42	
308	M0100100	1 M. MYSORE KIRLOSKAR ENTERPRISE 400 LAT	
309	M0100135	Lathe Machine Atlas Super cut bed 16'	
310	M0200096	32 MM Radial Drilling Machine MAG-3	
311	M0500029	630 MM Shaping Machine Parksons Engg	
312	P0101397	75 HP; 900 LPM @ 200 M HEAD KIRLOSKAR PU	
313	P0101717	90 KW Centrifugal Pump M&P 150/200GST	
314	P0101735	20 HP Centrifugal pump PN 17, M & Platt	
315	P0101736	20 HP Centrifugal pump PN 17, M & Platt	
316	P0101737	20 HP Centrifugal pump PN 17, M & Platt	
317	P0101738	20 HP Centrifugal pump PN 17, M & Platt	
318	P0101739	20 HP Centrifugal pump PN 17, M & Platt	
319	P0101740	20 HP Centrifugal pump PN 17, M & Platt	
320	P0101741	20 HP Centrifugal pump PN 17, M & Platt	
321	P0101745	90 KW Centrifugal Pump M&P 150/200GST	
322	P0200151	75.50 HP Well Point Pump Diesel driven	
323	P0200152	75.50 HP Well Point Pump Diesel driven	
324	P0200153	75.50 HP Well Point Pump Diesel driven	
325	P0200154	75.50 HP Well Point Pump Diesel driven	
326	P0900667	25 HP; 3750 LPM @ 20 M HEAD MODY SUBMERS	
327	P0900826	50 HP Submersible Pump HD 50 H Hitec	
328	P0900858	25 HP Submersible Pump G 802T, Mody make	
329	P0900877	50 HP Submersible Pump HD 50H Hitec	
330	P0900886	35 HP Submersible Pump Hitec HD 35 H	
331	P0900887	35 HP Submersible Pump Hitec HD 35 H	
332	P0900888	35 HP Submersible Pump Hitec HD 35 H	
333	P0900889	35 HP Submersible Pump Hitec HD 35 H	
334	P0900890	35 HP Submersible Pump Hitec HD 35 H	
335	P0900892	35 HP Submersible Pump Hitec HD 35 H	
336	P0900907	50 HP Submersible Pump Hitec HD 50 H	
337	P0900909	50 HP Submersible Pump Hitec HD 50 H	
338	P0900910	35 HP Submersible Pump Hitec HD 35 H	
339	P0900911	35 HP Submersible Pump Hitec HD 35 H	
340	P0900912	35 HP Submersible Pump Hitec HD 35 H	
341	P0900913	35 HP Submersible Pump Hitec HD 35 H	
342	P0900917	35 HP Submersible Pump Hitec HD 35 H	
343	P0900932	35 HP Submersible Pump HD35H	
344	P0900933	35 HP Submersible Pump HD35H	
345	P0900934	35 HP Submersible Pump HD35H	
346	P0900935	35 HP Submersible Pump HD35H	
347	P0900936	35 HP Submersible Pump HD35H	
348	P0900937	75HP submersible Pump HD 75	
349	P0900938	75HP submersible Pump HD 75	



350	P0900962	35 HP Submersible Pump HD35H	
351	P0900963	35 HP Submersible Pump HD35H	
352	P0900964	35 HP Submersible Pump HD35H	
353	P0900965	75HP submersible Pump HD 75	
354	P0900966	75HP submersible Pump HD 75	
355	P0900967	75HP submersible Pump HD 75	
356	P0900968	75HP submersible Pump HD 75	
357	P0900969	75HP submersible Pump HD 75	
358	P0900988	35 HP Submersible Pump HD35H	
359	P0900991	35 HP Submersible Pump HD35H	
360	P0900992	35 HP Submersible Pump HD35H	
361	P0901001	35 HP Submersible Pump HD35H	
362	P0901002	35 HP Submersible Pump HD35H	
363	P0901004	50HP Submersible Pump HD50H	
364	P0901005	50HP Submersible Pump HD50H	
365	P0901009	50HP Submersible Pump HD50H	
366	P0901015	35 HP Submersible Pump HD35H	
367	P0901016	35 HP Submersible Pump HD35H	
368	Q0500100	10 Ton Vibratory Com. Greaves Bomag BW212	
369	Q0500104	10 Ton Vibratory Com. Greaves Bomag BW212	
370	R0100074	200 TR Chilling Plant Eu Industrial	
371	R0100077	160 TR Chilling Plant Eu Industrial	
372	R0100104	50 TR Chilled Water Plant EU	
373	R0300116	75 KW x 2 Ventilation fan Zitron	
374	R0300124	75 KW Ventilation fan Zitron ZVN 1-14-75	
375	R0300144	75 KW Ventilation fan Zitron ZVN 1-16-75	
376	R0300152	132 KW Ventilation Fan Zitron	
377	R0300163	75 KW Ventilation fan Zitron ZVN 1-16-75	
378	R0300169	75 KW Ventilation fan Zitron ZVN 1-14-75	
379	R0300176	75 KW Ventilation fan Zitron ZVN 1-16-75	
380	R0300183	250 KW Ventilation fan Zitron ZVN 1-18	
381	R0300184	250 KW Ventilation fan Zitron ZVN 1-18	
382	R0300185	250 KW Ventilation fan Zitron ZVN 1-18	
383	R0300187	250 KW Ventilation fan Zitron ZVN 1-18	
384	R0300192	250 KW Ventilation fan Zitron ZVN 1-18	
385	R0300193	250 KW Ventilation fan Zitron ZVN 1-18	
386	R0300194	250 KW Ventilation fan Zitron ZVN 1-18	
387	R0300198	355 KW Ventilation fan ZVN-1-18-355/4	
388	R0300200	250 KW Ventilation fan Zitron	
389	R0300217	132KW Ventilation Fan ZVN-16-132/4	
390	R0300218	132 KW Ventilation Fan ZVN -16-132/4	
391	R0300221	132 KW Ventilation Fan ZVN -16-132/4	
392	R0300228	75 KW Ventilation fan gEL9-75/2	
393	R0300240	355 KW Ventilation fan ZVN-1-18-355/4	
394	R0300241	355 KW Ventilation fan ZVN-1-18-355/4	
395	R0300242	75 KW Ventilation fan gEL9-75/2	
396	S0700128	Auto Compressor 34.1 cfm Elgi	
397	S1700015	Mobile Service Container	
398	S1700024	Maintenance Container(MSU)on 1613/42	
399	S1700030	Service Container for Boomer	
400	S2900005	12 HP Jet Cleaning Machine	
401	T0100575	Tata Chassis SE1613/42 Jet Cleaning Mach	
402	T0100589	Tata Chassis LPT 1613/42 Diesel Tanker	
403	T0100596	Tata Chassis LPK2516/38TC Transit Mixer	
404	T0100615	Tata Chassis LPK2516/38TC Transit Mixer	
405	T0100648	Tata Chassis LPK2516/38TC Transit Mixer	
406	T0100649	Tata Chassis LPK2516/38TC Transit Mixer	
407	T0100650	Tata Chassis LPK2516/38TC Transit Mixer	
408	T0100659	Tata Chassis LPK2516/38TC Transit Mixer	



409	T0100687	Tata Chassis SE1613/48 Mobile Service Un	
410	T0100724	Tata Chassis LPK2516/38TC Transit Mixer	
411	T0100731	Tata Chassis LPT1613/48TC Flat Bed Truck	
412	T0100757	Tata Chassis LPK2516/38TC Transit Mixer	
413	T0100758	Tata Chassis LPT1613/48Mobile Service Un	
414	T0100783	Tata Chassis LPT1613/42 Water Tanker	
415	T0100790	Tata Chassis for Truck mounted Crane	
416	T0100816	Tata Chassis LPK2516/38TC Transit Mixer	
417	T0100828	Tata Chassis LPT1613/48TC Flat Bed Truck	
418	T0100856	Ashok Leyland Chassis 2516H/4C Taurus	
419	T0100862	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
420	T0100864	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
421	T0100884	Tata Chassis LPT1613/42TC Scissor Lift	
422	T0100887	Tata Chassis LPT1613/42TC Scissor Lift	
423	T0100910	Tata Chassis LPK2516/38TC Transit Mixer	
424	T0100922	Tata Chassis LPK2516TC/38 Transit Mixer	
425	T0100923	Tata Chassis LPK2516TC/38 Transit Mixer	
426	T0100926	Tata chassis LPT1613/42Diesel bowser mou	
427	T0100927	Tata Chassis LPT1613/42 Water Tanker	
428	T0100928	Tata Chassis LPT1613/42 Water Tanker Mou	
429	T0100929	Tata Chassis LPT1613/48TC Flat Bed Truck	
430	T0100932	Tata LPT1613/42 ch.for HAIB articu.crane	
431	T0100939	Tata chassis LPT1613/42Diesel bowser	
432	T0100941	Tata ch. LPT 1613/42 for Scissor Lift	
433	T0100956	Tata chassis LPT 1613/42 for S. lift	
434	T0100961	Tata Chassis LPK 2516TC/38 for T.Mixer	
435	T0100993	Tata ch. SE 1613TC/42 for Transit Mixer	
436	T0101013	Tata LPT 1613/48 Flat bed Truck	
437	T0101014	Tata LPT 1613TC/42 for Diesel Refueller	
438	T0101015	Tata LPT 1616/42 Chassis for S.Lift	
439	T0101017	Tata LPK2518 Chassis for Transit Mixer	
440	T0101018	Tata LPK2518 Chassis for Transit Mixer	
441	T0101020	Tata LPT 1616/42 Chassis for W.Tanker	
442	T0101022	Tata LPT 1616/42 Chassis for W.Tanker	
443	T0101033	Tata LPT 1616/48 Truck (CLB)	
444	T0101041	Tata LPT 1616/48 for Articulated Crane	
445	T0101042	Tata LPT 1616/48 Truck (CLB)	
446	T0101043	Tata ch.SE 1613TC/42 for Transit Mixer	
447	T0101052	Tata ch.SE 1613TC/42 for Transit Mixer	
448	T0101065	Tata LPK2518 Chassis for Transit Mixer	
449	T0101091	Tata LPK2518 Chassis for Transit Mixer	
450	T0101092	Tata LPK2518 Chassis for Transit Mixer	
451	T0200140	Pulling Unit Tata LPS 4018	
452	T0300174	25 Ton Trailer Semi Low Bed Satrac	
453	T0400110	28 Ton Tatra Trucks Hemang Dumper	
454	T0400111	28 Ton Tatra Trucks Hemang Dumper	
455	T0400112	28 Ton Tatra Trucks Hemang Dumper	
456	T0500126	SWARAJ MAZDA 32 SEATER MINI BUS	
457	T0500191	AMBULANCE 2 STRECHER	
458	T0500220	TATA LP 709/38 STAR BUS 32	
459	T0500265	MINI TRUCK Tata 407/34	
460	T0500320	Ambulance van 4 WD Swaraj Mazda	
461	T0500322	Tata Mini truck SCF 407/31	
462	T0500326	AMBULANCE Tata Winger	
463	T0500352	Tata Mobile 207 DI RX (Diesel Bouser)	
464	T0500361	Tata Mobile 207 DI RX (Diesel Bouser)	
465	T0600368	TOYOTA INNOVA -V	
466	T0600369	TOYOTA INNOVA -V	
467	T0600402	Scorpio Mahindra SLX 4WD	



468	T0600407	Tata Safari Dicor 2.2 VTT 4x4	
469	T0600425	Scorpio Mahindra MHawk VLX 4 WD	
470	T0800116	Diesel Locomotive 25 Ton	
471	T0800117	Diesel Locomotive 25 Ton	
472	T0900903	16 Ton Tata Hyva Dumper LPK2516 TC/38	
473	T0900907	16 Ton Tata Hyva Dumper LPK2516 TC/38	
474	T0900926	16 Ton Tata Hyva Dumper LPK2516 TC/38	
475	T0900935	16 Ton Tata Hyva Dumper LPK2516 TC/38	
476	T0900958	16 Ton Tata Hyva Dumper LPK2516 TC/38	
477	T0900960	16 Ton Tata Hyva Dumper LPK2516 TC/38	
478	T0900961	16 Ton Tata Hyva Dumper LPK2516 TC/38	
479	T0900963	16 Ton Tata Hyva Dumper LPK2516 TC/38	
480	T0900971	16 Ton Tata Hyva Dumper LPK2516 TC/38	
481	T0900976	16 Ton Tata Hyva Dumper LPK2516 TC/38	
482	T0900978	16 Ton Tata Hyva Dumper LPK2516 TC/38	
483	T0900979	16 Ton Tata Hyva Dumper LPK2516 TC/38	
484	T0901085	9 Ton Tata Tipper SK1613TC36	
485	T0901091	16 Ton Tata Hyva Tipper LPK2516TC38	
486	T0901093	16 Ton Tata Hyva Tipper LPK2516TC38	
487	T0901189	9 Ton Tata Tipper SK1613TC36	
488	T0901345	9 Ton Tata Tipper SK1613TC36	
489	T0901346	9 Ton Tata Tipper SK1613TC36	
490	T0901418	25 ton Volvo Tipper Rock body 14 cum	
491	T0901422	25 ton Volvo Tipper Rock body 14 cum	
492	T0901423	25 ton Volvo Tipper Rock body 14 cum	
493	T0901432	25 ton Volvo Tipper Rock body 14 cum	
494	T0901436	25 ton Volvo Tipper Rock body 14 cum	
495	T0901437	25 ton Volvo Tipper Rock body 14 cum	
496	T0901438	25 ton Volvo Tipper Rock body 14 cum	
497	T0901468	16 Ton Hyva dumper Tata LPK 2518 TC	
498	T0901470	16 Ton Hyva dumper Tata LPK 2518 TC	
499	T0901480	16 Ton Hyva dumper Tata LPK 2518 TC	
500	T0901481	16 Ton Hyva dumper Tata LPK 2518 TC	
501	T0901482	16 Ton Hyva dumper Tata LPK 2518 TC	
502	T0901494	16 Ton Hyva dumper Tata LPK 2518 TC	
503	T0901495	16 Ton Hyva dumper Tata LPK 2518 TC	
504	T0901506	16 Ton Box Tipper LPK 2523 TC 6x4	
505	T0901507	16 Ton Box Tipper LPK 2523 TC 6x4	
506	T0901508	16 Ton Box Tipper LPK 2523 TC 6x4	
507	T0901509	16 Ton Box Tipper LPK 2523 TC 6x4	
508	T0901511	16 Ton Box Tipper LPK 2523 TC 6x4	
509	T0901512	16 Ton Box Tipper LPK 2523 TC 6x4	
510	T0901515	16 Ton Rock Body Scoop Tipper LPK2518	
511	T0901516	16 Ton Rock Body Scoop Tipper LPK2518	
512	T0901521	16 Ton Rock Body Scoop Tipper LPK2518	
513	T0901522	16 Ton Rock Body Scoop Tipper LPK2518	
514	T0901533	16 Ton Box Tipper LPK 2523 TC/38 6x4	
515	T0901534	16 Ton Box Tipper LPK 2523 TC/38 6x4	
516	T0901535	10Ton Tata LPK 1618/36 Scoop type Tipper	
517	T0901540	10Ton Tata LPK 1618/36 Scoop type Tipper	
518	T0901559	16 Ton Bharat Benz Dumper 2528CH 6x4	
519	T0901560	16 Ton Bharat Benz Dumper 2528CH 6x4	
520	T0901561	16 Ton Bharat Benz Dumper 2528CH 6x4	
521	V0300082	EPABX (SIEMENS HIPATH 1150)	
522	V1600174	TOTAL STATION	
523	V1800022	1 Sec. Tunnel Profiler TCRA 1201 R 400	
524	W0100231	400 AMP Diesel Welding Set Esab EDW 400	
525	W0100233	400 AMP Diesel Welding Set Esab EDW 400	
526	W0100234	400 AMP Diesel Welding Set Esab EDW 400	

527	W0200193	320 AMP Welding Motor Gen.Advani Orlikon	
528	W0200194	320 AMP Welding Generator Advani Orlikon	
529	W0200222	320 AMP Welding Generator Ador Orlikon	
530	W0200225	320 AMP Welding Generator Ador Orlikon	
531	W0400184	400 AMP Welding Rectifiers Advani Orliko	
532	W0400186	400 AMP Welding Rectifiers Advani Orliko	
533	X0500003	2500 KG. MAX. STATIC LOAD BORETEC STH-5L	
534	X0500004	2500 KG. STATIC LOAD BORETEC STH-5LS RAI	
535	X0600034	100 T Electroni Mobile Weig Essae TM-950	
536	X0600048	150 T Weigh Bridge Electronic Sartorius	
537	X0600054	150 Ton Satorius Weigh Bridge	
538	X0600083	100T Weigh Bridge Avery	
539	X1600009	Tunnel Boring M/C TERRATEC T-45 9.86M	
540	X1700003	Steam Boiler make Fuelpac FWH -400	
541	X1700005	Boiler make Fuel Pac FWH - 400	
542	X1700006	Boiler make Fuel Pac FWH - 400	
543	X2000002	Waste Water Treatment Plant 1 MLD	



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List of Hired Equipment with Working Hrs.

Project: VPHEP			Month: May 2024
Sr. No.	Log No.		Name of Hiring Agency
Power house			
1	H040052H	JCB 3DX UK14CA1299	M/S Gairola Enterprises
2	H050212H	Excavator with breaker JCB-205	M/S IS Transport
3	H050233H	Excavator with breaker TATA HITACHI-200	M/S IS Transport
4	H050244H	Excavator JCB-205	M/S IS Transport
5	H050210H	Excavator with breaker Hyundai- 150	M/S IS Transport
6	H050249H	Excavator JCB-205	M/S Gairola developers
7	H050194H	Excavator JCB-140	M/S Gairola developers
8	H050095H	Excavator TATA EX-70	M/S IS Transport
9	H050096H	Excavator PC-200	M/S Jai Bhaironath
10	H050252H	Excavator Hyundai 215	M/S Jai Bhaironath
11	H050112H	Excavator with breaker Hyundai 215	M/S IS Transport
12	H050234H	Excavator with breaker JCB-215	M/S IS Transport
13	H050169H	Excavator JCB 205	M/S Arvind Hatwal
14	H050186H	Excavator JS 150	M/S IS Transport
15	H050251H	Excavator JS-215	M/S IS Transport
16	H050239H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
17	H050242H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
18	T010074H	Water Tanker Mahindra DI UK11CA1022	M/S Anita Devi
19	T090117H	Dumper 16 Ton LPK1618 TC UK11CA1347	M/S Jai Bhaironath
20	T090118H	Dumper 16 Ton LPK1618 TC UK11CA1324	M/S Jai Bhaironath
21	T090119H	Dumper 16 Ton LPK1618 TC UK11CA3737	M/S Jai Bhaironath
22	T090316H	Dumper 25 Ton Bharat Banz 2523C UK14CA4355	M/S Jai Bhaironath
23	T090317H	Dumper 25 Ton Bharat Banz 2523C UK14CA4356	M/S Jai Bhaironath
24	T090334H	Dumper 25 Ton Bharat Banz 2523C UK14CA4512	M/S Jai Bhaironath
25	T090333H	Dumper 25 Ton Bharat Banz 2523C UK14CA4516	M/S Jai Bhaironath

26	T090331H	Dumper 25 TonBharat Banz 2523C UK14CA4515	M/S Jai Bhaironath
27	T090332H	Dumper 25 TonBharat Banz 2523C UK14CA4514	M/S Jai Bhaironath
28	T090336H	Dumper 25 TonBharat Banz 2523C UK14CA4630	M/S Jai Bhaironath
29	T090337H	Dumper 25 TonBharat Banz 2523C UK14CA4631	M/S Jai Bhaironath
30	T090362H	Dumper 25 TonTata Signa 2825K UK14CA5577	M/S Aswal
31	T090398H	Dumper 25 TonTata Signa 2825K UK14CA9595	M/S Aswal
32	T090414H	Dumper 25 TonTata Signa 2823 C UK 14CA 9925	M/S Shivalik Construction
33	T090299H	Dumper 25 TonBharat Banz 2523C UK14CA2037	M/S IS Transport
34	T090124H	Dumper 25 TonAshok Leyland 2523 UK14CA4604	M/S IS Transport
35	T090233H	Dumper 16 TonLPK1618 TC UK09CA1012	M/S Arvind Hatwal
36	T090234H	Dumper 16 TonLPK1618 TC UK09CA1014	M/S Arvind Hatwal
DAM			
37	H050097H	ExcavatorTATA PC-200	M/S IS Transport
38	H050098H	ExcavatorHyundai - PC 350	M/S IS Transport
39	H050100H	ExcavatorPC-215	M/S IS Transport
40	H050092H	ExcavatorPC-215	M/S IS Transport
41	H050107H	ExcavatorPC-300	M/S IS Transport
42	H050213H	ExcavatorPC-300	M/S IS Transport
43	H050214H	ExcavatorTata PC-200	M/S IS Transport
44	H050248H	Excavator with breaker Hyundai-215L	M/S Suraj Sailani
45	H050235H	Excavator with breaker Tata 210	M/S AR Associates
46	H090112H	Hydra Crane Hydra 14T UK 14F 5183	M/S AB Infratech
47	T010120H	6 M3 Transit Mixer TATA 2823 UK14CA4332	M/S IS Transport
48	T010101H	6 M3 Transit MixerAL-2518 UK14-CA-3781	M/S IS Transport
49	T010100H	6 M3 Transit MixerAL-2518 UK14-CA-3780	M/S IS Transport

50	T010121H	6 M3 Transit Mixer TATA 2823 UK14-CA-4335	M/S IS Transport
51	T010122H	6 M3 Transit Mixer TATA 2823 UK14-CA-4367	M/S IS Transport
52	T010123H	6 M3 Transit Mixer TATA 2823 UK 14CA 4368	M/S IS Transport
53	T090114H	Dumper 16 Ton TATA 1618 UK 11CA 0640	M/S Sanjeev Kumar
54	T090322H	Dumper 16 Ton TATA 1618 UK 11CA 1740	M/S Sanjeev Kumar
55	T090298H	Dumper 16 Ton TATA 1618 UK11CA 1640	M/S Vijay Ram
56	T090364H	Dumper 16 Ton TATA 1618 UK11CA 1840	M/S Vijay Ram
57	T090277H	Dumper 25 Ton Ashok Leyland 2523 UK04CA 6761	M/S S S Bisht
58	T090359H	Dumper 16 Ton TATA 1618 UK11CA1993	M/S Deepa Devi
59	T090358H	Dumper 16 Ton TATA 1618 UK11CA0993	M/S Deepa Devi
60	T090379H	Dumper 16 Ton TATA 1618 UK 11CA 8931	M/S Suraj Sailani
61	T090300H	Dumper 25 Ton Ashok Leyland 2523 UK 14CA 3361	M/S IS Transport
62	T090315H	Dumper 25 Ton Bharat Banz 2523C UK14CA4334	M/S IS Transport
63	T090326H	Dumper 25 Ton Ashok Leyland 2523 UK14CA4389	M/S IS Transport
64	T090327H	Dumper 25 Ton Ashok Leyland 2523 UK14CA4390	M/S IS Transport
65	T090125H	Dumper 25 Ton Ashok Leyland 2523 UK 14CA 2979	M/S IS Transport
66	T090130H	Dumper 25 Ton Ashok Leyland 2523 UK 14CA 3360	M/S IS Transport
67	T090314H	Dumper 25 Ton Bharat Banz 2523C UK 14CA 4331	M/S IS Transport
68	T090131H	Dumper 25 Ton Ashok Leyland 2523 UK 14CA 2980	M/S IS Transport
69	T090167H	Dumper 25 Ton Bharat Banz 2523C UK 14CA 2214	M/S IS Transport
70	T090357H	Dumper 25 Ton Bharat Banz 2523C UK14CA 3089	M/S IS Transport

71	T090360H	Dumper 25 TonBharat Banz 2523C UK 14CA 3061	M/S IS Transport
72	T090361H	Dumper 25 TonBharat Banz 2523C UK 14CA 2980	M/S IS Transport
73	T090412H	Dumper 25 TonTata Signa 2823C UK 14CA 5068	M/S IS Transport
74	T090413H	Dumper 25 TonTata Signa 2823C UK 14CA 5248	M/S IS Transport
75	T090410H	Dumper 25 TonBharat Benz 2828C UK 14CA 4314	M/S IS Transport
76	T090363H	Dumper 16 TonTata 1613 HP 38F 3819	M/S Aswal
77	T090415H	Dumper 16 TonTata 2523 UK 09CA 0399	M/S THDCIL
78	T090416H	Dumper 16 TonTata 2523 UK 09CA 0593	M/S THDCIL
79	T090417H	Dumper 16 TonTata 2523 UK 09CA 0594	M/S THDCIL
80	T090347H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5672	M/S AR Associates
81	T090381H	Dumper 25 TonAshok Leyland 2523 UK 07CB 7101	M/S AR Associates
82	T090348H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5673	M/S AR Associates
83	T090350H	Dumper 16 TonTATA 1618 UK 07CB 0585	M/S AR Associates



List of vehicle and Equipment

Project:		VPHEP	June'24
Sr. No.	Log No	Equipment Description	Remarks
1	A0500244	100 Kva Diesel Generating Set Powerica	
2	A0500277	500 Kva Diesel Generating Set Til	
3	A0500285	500 Kva Diesel Generating Set Til	
4	A0500306	75 Kva Diesel Generating Set Powerica	
5	A0500376	75 Kva Diesel Generating Set Powerica	
6	A0500416	30 Kva Diesel Generating Set Powerica	
7	A0500417	30 Kva Diesel Generating Set Powerica	
8	A0500426	15 Kva Diesel Generating Set Powerica	
9	A0500443	30 Kva Diesel Generating Set Sudhir	
10	A0500446	30 Kva Diesel Generating Set Sudhir	
11	A0500544	320 Kva Diesel Generating Set Til	
12	A0500546	40 Kva Diesel Generating Set Powerica	
13	A0500548	320 Kva Diesel Generating Set Sudhir	
14	A0500637	500 Kva Diesel Generating Set Til	
15	A0500642	500 Kva Diesel Generating Set Til	
16	A0500643	500 Kva Diesel Generating Set Til	
17	A0500653	500 KVA Diesel Generating Set TIL	
18	A0500662	500 KVA Diesel Generating Set GMMCO	
19	A0500663	320 KVA Diesel Generating Set GMMCO	
20	A0500664	500 KVA Diesel Generating Set GMMCO	
21	A0500667	2000 KVA Prime Power DG Set TIL	
22	A0500668	2000 KVA Prime Power DG Set TIL	
23	A0500669	2000 KVA Prime Power DG Set TIL	
24	A0500670	2000 KVA Prime Power DG Set TIL	
25	A0500681	1010 Kva Diesel Generating Set	
26	A0500683	1010 Kva Diesel Generating Set	
27	A0600135	1250KVA 11/0.43KV Power Trans.Crompton	
28	A0600138	250KVA 11/0.43KV Power Trans.Gec	
29	A0600155	315KVA 11/0.43KV Power Trans.Gec	
30	A0600158	500KVA 11/0.43KV Power Trans	
31	A0600194	2500KVA 11/433V Power Trans.Vivekanand	
32	A0600215	500KVA 11/0.43KV Power Trans.Vivekanand	
33	A0600250	500KVA 11/0.43KV Power Trans.Vivekanand	
34	A0600254	250KVA 22/11/0.43KV Power Trans Vivekana	
35	A0600260	750KVA 33-11/0.43KV Power Trans Vivekana	
36	A0600263	1500KVA 11/0.43KV Power Trans.Vivekanand	
37	A0600282	1250KVA 11/0.43KV Power Trans.Stanlec	
38	A0600302	1000KVA 11/0.44KV Power Trans Vivekanand	
39	A0600304	750KVA 11/0.43KV Power Trans.Vivekanand	
40	A0600338	160 KVA Power Transformer Vivekanand	
41	A0600358	2500 KVA Power Transformer	
42	A1400002	Synchronizing Panel	
43	B0500131	Wagon Drill Atlas Copco BBC 120F	
44	B0600100	Crawler Drill Atlas Copco ROC 203	
45	B0600102	Crawler Drill Atlas Copco ROC 203	
46	B0600106	Crawler Drill Atlas Copco ROC 203	
47	B0600107	Crawler Drill Atlas Copco ROC 203	
48	B0600108	Crawler Drill Atlas Copco ROC 203	
49	B0600109	Crawler Drill Atlas Copco ROC 203	
50	B0600114	Crawler Drill Atlas Copco ROC 203	
51	B0600133	Crawler Drill Atlas Copco ROC 203	
52	B0600134	Crawler Drill Atlas Copco ROC 203	
53	B0600135	Crawler Drill Atlas Copco ROC 203	
54	B0600136	Crawler Drill Atlas Copco ROC 203	
55	B0600137	Hydraulic Crawler drill DX 700 Sandvik	

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56	B0600138	Hydraulic Crawler drill DX 700 Sandvik	
57	B0600147	Crawler Drill Atlas Copco ROC 203	
58	B0600150	Crawler Drill Atlas Copco ROC 203	
59	B0600151	Crawler Drill Atlas Copco ROC 203	
60	B0600153	Crawler Drill Atlas Copco ROC 203	
61	B0600157	Crawler Drill Atlas Copco ROC 203	
62	B0600162	Crawler Drill Atlas Copco ROC 203	
63	B0600169	Crawler Drill Atlas Copco ROC 203	
64	B0600172	Hydraulic Surface drill Sandvik DQ 500	
65	B0600173	Hydraulic Surface drill ROC T20 R	
66	B0600179	Hydraulic Surface drill Sandvik DC 302 R	
67	B0600180	Hydraulic Surface drill Sandvik DC 302 R	
68	B0600181	Hydraulic Surface drill Sandvik DC 302 R	
69	B0600182	Hydraulic Surface drill Sandvik DC 302 R	
70	B0900039	Hyd.2 boom drilling Jumbo Atlascopco L2D	
71	B0900042	Hyd.2 boom drilling Jumbo Atlascopco L2D	
72	B0900052	Hyd.2 boom drilling Jumbo AXERA 8-290	
73	B0900054	Hyd.2 boom drilling Jumbo AXERA 8-290	
74	B0900058	Hyd.2 boom drilling Jumbo AXERA 8-290	
75	B0900059	Hyd.2 boom drilling Jumbo AXERA DT 820	
76	B0900061	Hyd.2 boom drilling Jumbo AXERA DT 820	
77	B0900068	Hyd.2 boom drilling Jumbo AXERA DT 820	
78	B0900069	Hyd.2 boom drilling Jumbo AXERA DT 820	
79	B0900074	Hyd.2 boom drilling Jumbo AXERA DT 820	
80	B0900075	Hyd.2 boom drilling Jumbo AXERA DT 820	
81	B0900076	Hyd.2 Boom Drilling Jumbo AXERA DT 820	
82	B0900082	Hyd.2 boom drilling Jumbo Atlascopco L2D	
83	B0900085	Hyd.2 boom drilling Jumbo DT 820	
84	B0900086	Hyd.2 boom drilling Jumbo DT 820	
85	B0900091	Hyd.2 Boom Drilling Jumbo Atlascopco 282	
86	B0900092	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
87	B0900093	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
88	B0900097	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
89	B0900109	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
90	B0900110	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
91	B1200062	Hyd.Rock Breaker Atlascopco MB1200	
92	C0100123	600 cfm Ingersoll Rand Diesel Compressor	
93	C0100207	600 Cfm Atlas Copco Diesel Air Compressor	
94	C0100218	600 cfm Atlas Copco Diesel Compressor	
95	C0100232	600 cfm Atlas Copco Diesel Compressor	
96	C0100253	600 cfm Atlas Copco Diesel Compressor	
97	C0100272	600 cfm Atlas Copco Diesel Compressor	
98	C0100274	600 cfm Atlas Copco Diesel Compressor	
99	C0100280	600 cfm Atlas Copco Diesel Compressor	
100	C0100282	600 cfm Atlas Copco Diesel Compressor	
101	C0100290	600 cfm Atlascopco Diesel Compressor	
102	C0100291	600 cfm Atlascopco Diesel Compressor	
103	C0100299	300 cfm Compressor Atlascopco XA 146 HD	
104	C0100309	600 cfm Atlas copco Diesel Compressor	
105	C0200159	585 cfm Atlas Copco Electric Compressor	
106	C0200167	816 cfm Atlas Copco Belgium Gr200w Compr	
107	C0200186	587 cfm Atlas Copco Electric Compressor	
108	C0200190	572 cfm Elect.Compressor Atlascopco GA90	
109	C0200195	572 cfm Elect.Compressor Atlascopco GA90	
110	C0200204	572 cfm Elect.Compressor Atlascopco GA90	
111	C0200206	572 cfm Elect.Compressor Atlascopco GA90	
112	C0200208	572 cfm Elect.Compressor Atlascopco GA90	
113	C0200209	572 cfm Elect.Compressor Atlascopco GA90	
114	C0200210	572 cfm Elect.Compressor Atlascopco GA90	



115	C0200213	572 cfm Elect. Compressor Atlascopco GA90	
116	C0200214	572 cfm Elect. Compressor Atlascopco GA90	
117	C0200215	572 cfm Elect. Compressor Atlascopco GA90	
118	C0200216	572 cfm Elect. Compressor Atlascopco GA90	
119	C0200223	600 Cfm Compressor Atlascopco GA 90 AWP	
120	C0200224	600 Cfm Compressor Atlascopco GA 90 AWP	
121	C0200225	600 cfm Compressor Atlascopco GA 90 AWP	
122	C0200227	600 cfm Compressor Atlascopco GA 90 7.5	
123	D0100290	0.75M3 Gamzen 750RD Concrete Mixer	
124	D0100303	0.60m3 Concrete Mixer Electric PENTA 750	
125	D0300044	35 TPH Vertical Cement Screw	
126	D0400057	120 M3 Simem Wetbeton 120 Batching Plant	
127	D0400058	120 M3 Simem Wetbeton 120 Batching Plant	
128	D0400071	60M3 Schwing Stetter H 1.25 Batching Pla	
129	D0400077	25 M3 Siemem WB 25 Batching Plant	
130	D0400082	25 M3 Siemem WB 25 Batching Plant	
131	D0400084	25 M3 Siemem WB 25 Batching Plant	
132	D0500037	42 M3 HR.BP-1800 HDR D Portable Schwing	
133	D0500049	30 M3 Concrete Pump Sany Diesel	
134	D0500080	30 M3 Concrete Pump Schwing BP 350E	
135	D0500082	30 M3 Concrete Pump Greaves BP 350	
136	D0500085	30 M3 Concrete Pump Schwing stetter BP	
137	D0500087	42 M3 Concrete Pump BP1800 HDR-E	
138	D0500096	30 M3 Concrete Pump S.Stetter BP 350 EXT	
139	D0500100	30 M3 Concrete Pump S.Stetter BP 350 EXT	
140	D0500117	30 M3 Concrete Pump BP 350 EXT	
141	D0500126	30 M3 Concrete Pump BP 350 EXT	
142	D0500127	30 M3 Concrete Pump BP 350 EXT	
143	D0500132	60 M3 Concrete Pump SP1800	
144	D0500133	60 M3 Concrete Pump SP1800	
145	D1100039	4M ³ Transit Mixer Shirke	
146	D1100079	6M ³ Transit Mixer Schwing Stetter	
147	D1100093	6M ³ Transit Mixer Shirke	
148	D1100109	6M ³ Transit Mixer Shirke	
149	D1100124	6M ³ Transit Mixer Schwing Stetter	
150	D1100125	6M ³ Transit Mixer Schwing Stetter	
151	D1100127	6M ³ Transit Mixer Schwing Stetter	
152	D1100130	6M ³ Transit Mixer Schwing Stetter	
153	D1100170	6M ³ Transit Mixer Schwing Stetter	
154	D1100178	6M ³ Transit Mixer Schwing Stetter	
155	D1100188	6M ³ Transit Mixer Schwing Stetter	
156	D1100232	6M ³ Transit Mixer Schwing Stetter	
157	D1100233	6M ³ Transit Mixer Schwing Stetter	
158	D1100235	6M ³ Transit Mixer Schwing Stetter	
159	D1100248	6M ³ Transit Mixer Schwing Stetter	
160	D1100249	6M ³ Transit Mixer Schwing Stetter	
161	D1100267	6M ³ Transit Mixer S.Stetter AM 6SHN-RH	
162	D1100286	4M ³ Transit Mixer Sch.stetter AM4 SHN	
163	D1100289	4M ³ Transit Mixer Sch.stetter AM4 SHN	
164	D1100290	4M ³ Transit Mixer Sch.stetter AM4 SHN	
165	D1100293	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
166	D1100296	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
167	D1100329	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
168	D1100330	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
169	D1600002	Design, Engineering AND Complete Tunnel	
170	E0100030	1 M3 Dry Shotcrete Machine	
171	E0100046	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
172	E0100057	30 M3 Wet Shotcrete M/C With robo arm	
173	E0100062	20 M3 Cifa PCS 209 Wet Shotcrete Pump	



174	E0100072	20 M3 Dry Shotcrete Machine	
175	E0100078	30 M3 Wet Shotcrete M/C With robo arm	
176	E0100079	5-7 M3 Wet Shotcrete Machine	
177	E0100080	30 M3 Wet Shotcrete M/C With robo arm	
178	E0100083	30 M3 Wet Shotcrete M/C With robo arm	
179	E0100094	33 M3 Wet shotcrete Pump	
180	E0100098	30 M3 Wet Shotcrete M/C With robo arm	
181	E0100099	30 M3 Wet Shotcrete M/C With robo arm	
182	E0100100	30 M3 Wet Shotcrete M/C With robo arm	
183	E0100102	30 M3 Wet Shotcrete M/C With robo arm	
184	E0100107	30 M3 Wet Shotcrete M/C With robo arm	
185	E0100108	30 M3 Wet Shotcrete M/C With robo arm	
186	E0100113	30 M3 Wet Shotcrete M/C With robo arm	
187	E0100115	20 M3 Wet Shotcrete M/C with robo arm	
188	E0100127	Wet shotcrete Machine TSR 30.14	
189	E0100128	Wet shotcrete Machine TSR 30.14	
190	E0700007	0-200 Lpm Atlas Copco Gr. System Model E2	
191	E0700008	Atlas Copco Grouting Equipment	
192	E0700036	Uni Grout E 200 100 - 12 H	
193	E0700045	Grouting Equipment Unigrout E 200 100	
194	E0700046	Mai injection Grout Pump M 400 NT	
195	E0700047	Mai Grout Pump M 400 NT	
196	E0700048	Mai Grout Pump M 400 NT	
197	E0700057	Uni Grout Pump 100-12 EH	
198	E0700066	Mai Grout Pump Atlascopco M 400 NT	
199	E0700083	Mai Grout Pump Atlascopco M 400 NT	
200	E0700105	Mai Grout Pump Atlas Copco M 400 NT	
201	E0700106	Mai Grout Pump Atlas Copco M 400 NT	
202	E0700107	Mai Grout Pump Atlas Copco M 400 NT	
203	E0700108	Mai Grout Pump Atlas Copco M 400 NT	
204	E0700109	Mai Grout Pump Atlas Copco M 400 NT	
205	E0700118	Mai Grout Pump Atlas Copco M 400 NT	
206	E0700127	Mai Grout Pump Atlas Copco M 400 NT	
207	E0700128	Mai Grout Pump Atlas Copco M 400 NT	
208	E0700129	Mai Grout Pump Atlas Copco M 400 NT	
209	E0700130	Mai Grout Pump Atlas Copco M 400 NT	
210	G0200052	12.50 Ton Electromech Gantry Crane	
211	G0200085	20 Ton Gantry Crane Anupam span 25 mtr	
212	G0200087	20 Ton EOT Crane Anupam span 25mtr	
213	G0200088	5 Ton EOT Crane Anupam span 25mtr.	
214	G0200092	30 Ton Gantry Crane for pressure Shaft	
215	G0200093	30 Ton Gantry Crane for pressure Shaft	
216	G0200102	5 Ton Electromech Gantry Crane Span 20M	
217	G0200109	5 Ton Gantry Crane Span 14M HuH 6m	
218	G0200114	10 Ton Electromech Gantry Crane	
219	G0200115	35 Ton Gantry Crane	
220	G0200123	D/G 30T Gantry Crane w/o Crab 30M Span	
221	G0300055	10 T@40M Shirke Potain Tower Crane	
222	G0300058	10 T@30M Shirke Potain Tower Crane	
223	G0700015	FORKLIFT	
224	G0700028	Furukawa Unic Crane URV 504 TR. MOUNTED	
225	G0700032	Articulated crane mounted on LPK1613/42	
226	G0700037	Electric Forklift GX 300E Godrej	
227	G0700038	3.50 T. Maniscopic Telehandler MT 1235 S	
228	G0700039	3.50 T. Maniscopic Telehandler MT 1235 S	
229	G0700043	3.50 T. Maniscopic Telehandler MT 1235 S	
230	G0700059	3.50 Maniscopic Telehandler MT1235S	
231	G0700062	3.50 Maniscopic Telehandler MT1235S	
232	G0700066	Articulated Crane mounted on LPT 1616/48	



233	G0700077	4T Manitou Telehandler MT-X-1440 c/w R C	
234	G0700078	Telehandler JCB 3T 5311A	
235	G0700079	Telehandler JCB 3T 5311A	
236	G1200001	Two Segment Lifter 5 Ton Scissor type	
237	H0100084	Crawler Dozer 165HP Hindustan Motors	
238	H0100109	Crawler Dozer 165HP Shanghai Peng Pu Pd	
239	H0100116	Crawler Dozer 165HP Shanghai Peng Pu Pd	
240	H0100118	Crawler Dozer 320HP Shanghai Peng Pu Pd	
241	H0100125	Crawler Dozer 104HP Komatsu D41-E-6	
242	H0100129	Crawler Dozer 180 HP D 65E-12	
243	H0400053	Back Hoe Loader JCB 4DX	
244	H0400074	Back Hoe Loader JCB 4DX	
245	H0400075	Back Hoe Loader JCB 4DX	
246	H0400076	Back Hoe Loader JCB 4DX	
247	H0500193	0.30 M3 Hydraulic Excavator JCB JS 80	
248	H0500241	0.93 M3 Hydraulic Excavator L&T PC-200-6	
249	H0500264	0.93 M3 Hydraulic Excavator L&T PC-200-6	
250	H0500265	0.93 M3 Hydraulic Excavator L&T PC-200-6	
251	H0500268	0.93 M3 Hydraulic Excavator L&T PC-200-6	
252	H0500285	2.10 M3 Hydraulic Excavator L&T PC 300-7	
253	H0500294	Zero Tail Swing Hyd. Excavator VIO 20-3-P	
254	H0600045	65 Ton Crawler Crane Sumitomo SC-650-II	
255	H0600062	80 Ton Crawler Crane Fushun ACC.800	
256	H0800088	3 M3 Wheel Loader CAT 966 F Side dump	
257	H0800098	3 M3 Wheel Loader CLG 856 Side Dump	
258	H0800105	3 M3 Wheel Loader CLG 856 Side Dump	
259	H0800112	2.7 M3 Wheel Loader CLG 856 Side Dump	
260	H0800118	2.7 M3 Wheel Loader CLG 856 Side Dump	
261	H0800135	1.80 M3 F. End Loader 432ZX With S. Bucket	
262	H0800147	1.80 M3 F. End Loader 432ZX with S. bucket	
263	H0800154	2.7 M3 Wheel Loader CAT 950 H Side dump	
264	H0800163	2.7 M3 Wheel Loader CLG 856 BS III	
265	H0800164	2.7 M3 Wheel Loader CLG 856 BS III Side	
266	H0900065	25 Ton Mobile/Rough Terrain Crane KR25H	
267	H0900070	10 Ton Mobile/Rough Terrain Crane K-10	
268	H0900086	25 Ton Mobile Crane Kato KR 25H-V	
269	H0900094	30 Ton Hyd. Mobile Crane RT 630C	
270	H0900095	30 Ton Hyd. Mobile Crane RT 630C	
271	H0900098	30 Ton Hyd. Mobile Crane TIL RT 630	
272	H0900106	14 Ton Pick and Carry Crane F 15	
273	H0900107	14 ton Pick and Carry Crane F 15	
274	H0900116	30 Ton Hyd. Mobile Crane Escort RT 30	
275	J0100069	250 Ton Jaw Crusher Svedala Arbra1208 HD	
276	J0100086	175 TPH Jaw Crusher Nawa Engg. & Consultant	
277	J0100096	175 TPH Jaw Crusher JM 1108	
278	J0300022	250 TPH Cone Crusher Svedala Arb H-3000E	
279	J0300023	250 TPH Hyd Cone Crusher Svedala Arb H	
280	J0300026	250 TPH Cone Crusher Svedala Arb S-000EC	
281	J0300042	Cone Crusher Metso GP11F	
282	J0300051	175 TPH Hydrocone Crusher Sandvik S-3800	
283	J0500011	200 TPH Vertical Shaft Impactor Svedala	
284	J0500018	300 TPH Vertical Shaft Impactor Metso Mi	
285	J0500022	Vertical Shaft Impactor (METSO B9100 DD)	
286	J0500031	Vertical Shaft Impactor Metso Nordberg	
287	J0800018	200 TPH Crushing Plant	
288	J0800025	100 Ton Crushing Plant (assembled)	
289	K0100111	150 TPH Vibrating Screen Metso Minerals	
290	K0100121	300 TPH Vibrating Screen Metso Minerals	
291	K0100146	Vibrating Screen III Deck SS1233	



292	K0100147	Vibrating Screen III Deck TS- 2.30	
293	K0500047	210 TPH Svedala Vibrating Feeder	
294	K0500052	200 TPH Svedala Vibrating Feeder	
295	K0500070	200 TPH Svedala Vmot 46/12 Grizzly Feeder	
296	K0500102	300 TPH Metso Minerals Vmot 46/12 Grizzly	
297	K0500126	225 TPH Vibrating Feeder-Metso Minerals	
298	K0500129	225 TPH Vibrating Feeder-Metso Minerals	
299	K0500131	225 TPH Vibrating Feeder-Metso Minerals	
300	K0500180	Grizzly Feeder GF 1246	
301	K0600008	Screw Classifier Soc. General Machine Ed	
302	K0600011	Screw Classifier AAR TECH SERVICES MEM 9	
303	K1300002	Shuttle Conveyor 200 TPH Cobit Engg.	
304	K1300005	Shuttle Conveyor 200 TPH Cobit Engg.	
305	L0100026	36 MM P 36 Bar Bending Machine Icaro	
306	L0200062	55 MM Dia Bar Cutting Machine Icaro C-55	
307	L0200080	42 MM Bar Cutting Machine Icaro C-42	
308	M0100100	1 M. MYSORE KIRLOSKAR ENTERPRISE 400 LAT	
309	M0100135	Lathe Machine Atlas Super cut bed 16'	
310	M0200096	32 MM Radial Drilling Machine MAG-3	
311	M0500029	630 MM Shaping Machine Parksons Engg	
312	P0101397	75 HP; 900 LPM @ 200 M HEAD KIRLOSKAR PU	
313	P0101717	90 KW Centrifugal Pump M&P 150/200GST	
314	P0101735	20 HP Centrifugal pump PN 17, M & Platt	
315	P0101736	20 HP Centrifugal pump PN 17, M & Platt	
316	P0101737	20 HP Centrifugal pump PN 17, M & Platt	
317	P0101738	20 HP Centrifugal pump PN 17, M & Platt	
318	P0101739	20 HP Centrifugal pump PN 17, M & Platt	
319	P0101740	20 HP Centrifugal pump PN 17, M & Platt	
320	P0101741	20 HP Centrifugal pump PN 17, M & Platt	
321	P0101745	90 KW Centrifugal Pump M&P 150/200GST	
322	P0200151	75.50 HP Well Point Pump Diesel driven	
323	P0200152	75.50 HP Well Point Pump Diesel driven	
324	P0200153	75.50 HP Well Point Pump Diesel driven	
325	P0200154	75.50 HP Well Point Pump Diesel driven	
326	P0900667	25 HP; 3750 LPM @ 20 M HEAD MODY SUBMERS	
327	P0900826	50 HP Submersible Pump HD 50 H Hitec	
328	P0900858	25 HP Submersible Pump G 802T, Mody make	
329	P0900877	50 HP Submersible Pump HD 50H Hitec	
330	P0900886	35 HP Submersible Pump Hitec HD 35 H	
331	P0900887	35 HP Submersible Pump Hitec HD 35 H	
332	P0900888	35 HP Submersible Pump Hitec HD 35 H	
333	P0900889	35 HP Submersible Pump Hitec HD 35 H	
334	P0900890	35 HP Submersible Pump Hitec HD 35 H	
335	P0900892	35 HP Submersible Pump Hitec HD 35 H	
336	P0900907	50 HP Submersible Pump Hitec HD 50 H	
337	P0900909	50 HP Submersible Pump Hitec HD 50 H	
338	P0900910	35 HP Submersible Pump Hitec HD 35 H	
339	P0900911	35 HP Submersible Pump Hitec HD 35 H	
340	P0900912	35 HP Submersible Pump Hitec HD 35 H	
341	P0900913	35 HP Submersible Pump Hitec HD 35 H	
342	P0900917	35 HP Submersible Pump Hitec HD 35 H	
343	P0900932	35 HP Submersible Pump HD35H	
344	P0900933	35 HP Submersible Pump HD35H	
345	P0900934	35 HP Submersible Pump HD35H	
346	P0900935	35 HP Submersible Pump HD35H	
347	P0900936	35 HP Submersible Pump HD35H	
348	P0900937	75HP submersible Pump HD 75	
349	P0900938	75HP submersible Pump HD 75	
350	P0900962	35 HP Submersible Pump HD35H	



351	P0900963	35 HP Submersible Pump HD35H	
352	P0900964	35 HP Submersible Pump HD35H	
353	P0900965	75HP submersible Pump HD 75	
354	P0900966	75HP submersible Pump HD 75	
355	P0900967	75HP submersible Pump HD 75	
356	P0900968	75HP submersible Pump HD 75	
357	P0900969	75HP submersible Pump HD 75	
358	P0900988	35 HP Submersible Pump HD35H	
359	P0900991	35 HP Submersible Pump HD35H	
360	P0900992	35 HP Submersible Pump HD35H	
361	P0901001	35 HP Submersible Pump HD35H	
362	P0901002	35 HP Submersible Pump HD35H	
363	P0901004	50HP Submersible Pump HD50H	
364	P0901005	50HP Submersible Pump HD50H	
365	P0901009	50HP Submersible Pump HD50H	
366	P0901015	35 HP Submersible Pump HD35H	
367	P0901016	35 HP Submersible Pump HD35H	
368	Q0500100	10 Ton Vibratory Com.Greaves Bomag BW212	
369	Q0500104	10 Ton Vibratory Com.Greaves Bomag BW212	
370	R0100074	200 TR Chilling Plant Eu Industrial	
371	R0100077	160 TR Chilling Plant Eu Industrial	
372	R0100104	50 TR Chilled Water Plant EU	
373	R0100107	20 TPD Ice Plant Geoflair Greentech	
374	R0100108	20 TPD Ice Plant Geoflair Greentech	
375	R0100109	20 TPD Ice Plant Geoflair Greentech	
376	R0300116	75 KW x 2 Ventilation fan Zitron	
377	R0300124	75 KW Ventilation fan Zitron ZVN 1-14-75	
378	R0300144	75 KW Ventilation fan Zitron ZVN 1-16-75	
379	R0300152	132 KW Ventilation Fan Zitron	
380	R0300163	75 KW Ventilation fan Zitron ZVN 1-16-75	
381	R0300169	75 KW Ventilation fan Zitron ZVN 1-14-75	
382	R0300176	75 KW Ventilation fan Zitron ZVN 1-16-75	
383	R0300183	250 KW Ventilation fan Zitron ZVN 1-18	
384	R0300184	250 KW Ventilation fan Zitron ZVN 1-18	
385	R0300185	250 KW Ventilation fan Zitron ZVN 1-18	
386	R0300187	250 KW Ventilation fan Zitron ZVN 1-18	
387	R0300192	250 KW Ventilation fan Zitron ZVN 1-18	
388	R0300193	250 KW Ventilation fan Zitron ZVN 1-18	
389	R0300194	250 KW Ventilation fan Zitron ZVN 1-18	
390	R0300198	355 KW Ventilation fan ZVN-1-18-355/4	
391	R0300200	250 KW Ventilation fan Zitron	
392	R0300217	132KW Ventilation Fan ZVN-16-132/4	
393	R0300218	132 KW Ventilation Fan ZVN -16-132/4	
394	R0300221	132 KW Ventilation Fan ZVN -16-132/4	
395	R0300228	75 KW Ventilation fan gEL9-75/2	
396	R0300240	355 KW Ventilation fan ZVN-1-18-355/4	
397	R0300241	355 KW Ventilation fan ZVN-1-18-355/4	
398	R0300242	75 KW Ventilation fan gEL9-75/2	
399	S0700128	Auto Compressor 34.1 cfm Elgi	
400	S1700015	Mobile Service Container	
401	S1700024	Maintenance Container(MSU)on 1613/42	
402	S1700030	Service Container for Boomer	
403	S2900005	12 HP Jet Cleaning Machine	
404	T0100575	Tata Chassis SE 1613/42 Jet Cleaning Mach	
405	T0100589	Tata Chassis LPT 1613/42 Diesel Tanker	
406	T0100596	Tata Chassis LPK2516/38TC Transit Mixer	
407	T0100615	Tata Chassis LPK2516/38TC Transit Mixer	
408	T0100648	Tata Chassis LPK2516/38TC Transit Mixer	
409	T0100649	Tata Chassis LPK2516/38TC Transit Mixer	



410	T0100650	Tata Chassis LPK2516/38TC Transit Mixer	
411	T0100659	Tata Chassis LPK2516/38TC Transit Mixer	
412	T0100687	Tata Chassis SE1613/48 Mobile Service Un	
413	T0100724	Tata Chassis LPK2516/38TC Transit Mixer	
414	T0100731	Tata Chassis LPT1613/48TC Flat Bed Truck	
415	T0100757	Tata Chassis LPK2516/38TC Transit Mixer	
416	T0100758	Tata Chassis LPT1613/48Mobile Service Un	
417	T0100783	Tata Chassis LPT1613/42 Water Tanker	
418	T0100790	Tata Chassis for Truck mounted Crane	
419	T0100816	Tata Chassis LPK2516/38TC Transit Mixer	
420	T0100828	Tata Chassis LPT1613/48TC Flat Bed Truck	
421	T0100856	Ashok Leyland Chassis 2516H/4C Taurus	
422	T0100862	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
423	T0100864	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
424	T0100884	Tata Chassis LPT1613/42TC Scisor Lift	
425	T0100887	Tata Chassis LPT1613/42TC Scisor Lift	
426	T0100910	Tata Chassis LPK2516/38TC Transit Mixer	
427	T0100922	Tata Chassis LPK2516TC/38 Transit Mixer	
428	T0100923	Tata Chassis LPK2516TC/38 Transit Mixer	
429	T0100926	Tata chassis LPT1613/42Diesel bowser mou	
430	T0100927	Tata Chassis LPT1613/42 Water Tanker	
431	T0100928	Tata Chassis LPT1613/42 Water Tanker Mou	
432	T0100929	Tata Chassis LPT1613/48TC Flat Bed Truck	
433	T0100932	Tata LPT1613/42 ch.for HAIB articu.crane	
434	T0100939	Tata chassis LPT1613/42Diesel bowser	
435	T0100941	Tata ch. LPT 1613/42 for Scissor Lift	
436	T0100956	Tata chassis LPT 1613/42 for S. lift	
437	T0100961	Tata Chassis LPK 2516TC/38 for T.Mixer	
438	T0100993	Tata ch. SE 1613TC/42 for Transit Mixer	
439	T0101013	Tata LPT 1613/48 Flat bed Truck	
440	T0101014	Tata LPT 1613TC/42 for Diesel Refueller	
441	T0101015	Tata LPT 1616/42 Chassis for S.Lift	
442	T0101017	Tata LPK2518 Chassis for Transit Mixer	
443	T0101018	Tata LPK2518 Chassis for Transit Mixer	
444	T0101020	Tata LPT 1616/42 Chassis for W.Tanker	
445	T0101022	Tata LPT 1616/42 Chassis for W.Tanker	
446	T0101033	Tata LPT 1616/48 Truck (CLB)	
447	T0101041	Tata LPT 1616/48 for Articulated Crane	
448	T0101042	Tata LPT 1616/48 Truck (CLB)	
449	T0101043	Tata ch SE 1613TC/42 for Transit Mixer	
450	T0101052	Tata ch SE 1613TC/42 for Transit Mixer	
451	T0101065	Tata LPK2518 Chassis for Transit Mixer	
452	T0101091	Tata LPK2518 Chassis for Transit Mixer	
453	T0101092	Tata LPK2518 Chassis for Transit Mixer	
454	T0200140	Pulling Unit Tata LPS 4018	
455	T0300174	25 Ton Trailer Semi Low Bed Satrac	
456	T0400110	28 Ton Tatra Trucks Hemang Dumper	
457	T0400111	28 Ton Tatra Trucks Hemang Dumper	
458	T0400112	28 Ton Tatra Trucks Hemang Dumper	
459	T0500126	SWARAJ MAZDA 32 SEATER MINI BUS	
460	T0500191	AMBULANCE 2 STRECHER	
461	T0500220	TATA LP 709/38 STAR BUS 32	
462	T0500265	MINI TRUCK Tata 407/34	
463	T0500320	Ambulance van 4 WD Swaraj Mazda	
464	T0500322	Tata Mini truck SCF 407/31	
465	T0500326	AMBULANCE Tata Winger	
466	T0500352	Tata Mobile 207 Di RX (Diesel Bouser)	
467	T0500361	Tata Mobile 207 Di RX (Diesel Bouser)	
468	T0600368	TOYOTA INNOVA -V	



469	T0600369	TOYOTA INNOVA -V	
470	T0600402	Scorpio Mahindra SLX 4WD	
471	T0600407	Tata Safari Dicor 2.2 VTT 4x4	
472	T0600425	Scorpio Mahindra MHawk VLX 4 WD	
473	T0800116	Diesel Locomotive 25 Ton	
474	T0800117	Diesel Locomotive 25 Ton	
475	T0900903	16 Ton Tata Hyva Dumper LPK2516 TC/38	
476	T0900907	16 Ton Tata Hyva Dumper LPK2516 TC/38	
477	T0900926	16 Ton Tata Hyva Dumper LPK2516 TC/38	
478	T0900935	16 Ton Tata Hyva Dumper LPK2516 TC/38	
479	T0900958	16 Ton Tata Hyva Dumper LPK2516 TC/38	
480	T0900960	16 Ton Tata Hyva Dumper LPK2516 TC/38	
481	T0900961	16 Ton Tata Hyva Dumper LPK2516 TC/38	
482	T0900963	16 Ton Tata Hyva Dumper LPK2516 TC/38	
483	T0900971	16 Ton Tata Hyva Dumper LPK2516 TC/38	
484	T0900976	16 Ton Tata Hyva Dumper LPK2516 TC/38	
485	T0900978	16 Ton Tata Hyva Dumper LPK2516 TC/38	
486	T0900979	16 Ton Tata Hyva Dumper LPK2516 TC/38	
487	T0901085	9 Ton Tata Tipper SK1613TC36	
488	T0901091	16 Ton Tata Hyva Tipper LPK2516TC38	
489	T0901093	16 Ton Tata Hyva Tipper LPK2516TC38	
490	T0901189	9 Ton Tata Tipper SK1613TC36	
491	T0901345	9 Ton Tata Tipper SK1613TC36	
492	T0901346	9 Ton Tata Tipper SK1613TC36	
493	T0901416	30Ton Volvo Tipper FM400 With Rock Body	
494	T0901418	25 ton Volvo Tipper Rock body 14 cum	
495	T0901422	25 ton Volvo Tipper Rock body 14 cum	
496	T0901423	25 ton Volvo Tipper Rock body 14 cum	
497	T0901432	25 ton Volvo Tipper Rock body 14 cum	
498	T0901436	25 ton Volvo Tipper Rock body 14 cum	
499	T0901437	25 ton Volvo Tipper Rock body 14 cum	
500	T0901438	25 ton Volvo Tipper Rock body 14 cum	
501	T0901468	16 Ton Hyva dumper Tata LPK 2518 TC	
502	T0901470	16 Ton Hyva dumper Tata LPK 2518 TC	
503	T0901480	16 Ton Hyva dumper Tata LPK 2518 TC	
504	T0901481	16 Ton Hyva dumper Tata LPK 2518 TC	
505	T0901482	16 Ton Hyva dumper Tata LPK 2518 TC	
506	T0901494	16 Ton Hyva dumper Tata LPK 2518 TC	
507	T0901495	16 Ton Hyva dumper Tata LPK 2518 TC	
508	T0901506	16 Ton Box Tipper LPK 2523 TC 6x4	
509	T0901507	16 Ton Box Tipper LPK 2523 TC 6x4	
510	T0901508	16 Ton Box Tipper LPK 2523 TC 6x4	
511	T0901509	16 Ton Box Tipper LPK 2523 TC 6x4	
512	T0901511	16 Ton Box Tipper LPK 2523 TC 6x4	
513	T0901512	16 Ton Box Tipper LPK 2523 TC 6x4	
514	T0901515	16 Ton Rock Body Scoop Tipper LPK2518	
515	T0901516	16 Ton Rock Body Scoop Tipper LPK2518	
516	T0901521	16 Ton Rock Body Scoop Tipper LPK2518	
517	T0901522	16 Ton Rock Body Scoop Tipper LPK2518	
518	T0901533	16 Ton Box Tipper LPK 2523 TC/38 6x4	
519	T0901534	16 Ton Box Tipper LPK 2523 TC/38 6x4	
520	T0901535	10Ton Tata LPK 1618/36 Scoop type Tipper	
521	T0901540	10Ton Tata LPK 1618/36 Scoop type Tipper	
522	T0901559	16 Ton Bherat Benz Dumper 2528CH 6x4	
523	T0901560	16 Ton Bherat Benz Dumper 2528CH 6x4	
524	T0901561	16 Ton Bherat Benz Dumper 2828CH 6x4	
525	V0300082	EPABX (SIEMENS HIPATH 1150)	
526	V1600174	TOTAL STATION	
527	V1800022	1 Sec. Tunnel Profiler TCRA 1201 R 400	



528	W0100231	400 AMP Diesel Welding Set Esab EDW 400	
529	W0100233	400 AMP Diesel Welding Set Esab EDW 400	
530	W0100234	400 AMP Diesel Welding Set Esab EDW 400	
531	W0200193	320 AMP Welding Motor Gen Advani Orlikon	
532	W0200194	320 AMP Welding Generator Advani Orlikon	
533	W0200222	320 AMP Welding Generator Ador Orlikon	
534	W0200225	320 AMP Welding Generator Ador Orlikon	
535	W0400184	400 AMP Welding Rectifiers Advani Orliko	
536	W0400186	400 AMP Welding Rectifiers Advani Orliko	
537	X0500003	2500 KG. MAX. STATIC LOAD BORETEC STH-5L	
538	X0500004	2500 KG. STATIC LOAD BORETEC STH-5LS RAI	
539	X0600034	100 T Electroni Mobile Weig Essae TM-950	
540	X0600048	150 T Weigh Bridge Electronic Sartorius	
541	X0600054	150 Ton Satorius Weigh Bridge	
542	X0600083	100T Weigh Bridge Avery	
543	X1600009	Tunnel Boring M/C TERRATEC T-45 9.86M	
544	X1700003	Steam Boiler make Fuelpac FWH -400	
545	X1700005	Boiler make Fuel Pac FWH - 400	
546	X1700006	Boiler make Fuel Pac FWH - 400	
547	X2000002	Waste Water Treatment Plant -1 MLD	



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List of Hired Equipment with Working Hrs.

Project: VPHEP			Month: June 2024
Sr. No.	Log No.	Equipment Description	Name of Hiring Agency
Power house			
1	H040052H	JCB 3DX UK14CA1299	M/S Gairola Enterprises
2	H050212H	Excavator with breaker JCB-205	M/S IS Transport
3	H050233H	Excavator with breaker TATA HITACHI-200	M/S IS Transport
4	H050244H	Excavator JCB-205	M/S IS Transport
5	H050210H	Excavator with breaker Hyundai-150	M/S IS Transport
6	H050249H	Excavator JCB-205	M/S Gairola developers
7	H050194H	Excavator JCB-140	M/S Gairola developers
8	H050095H	Excavator TATA EX-70	M/S IS Transport
9	H050096H	Excavator PC-200	M/S Jai Bhaironath
10	H050252H	Excavator Hyundai 215	M/S Jai Bhaironath
11	H050112H	Excavator with breaker Hyundai 215	M/S IS Transport
12	H050234H	Excavator with breaker JCB-215	M/S IS Transport
13	H050169H	Excavator JCB 205	M/S Arvind Hatwal
14	H050186H	Excavator JS 150	M/S IS Transport
15	H050251H	Excavator JS-215	M/S IS Transport
16	H050239H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
17	H050242H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
18	T010074H	Water Tanker Mahindra DI UK11CA1022	M/S Anita Devi
19	T090117H	Dumper 16 Ton LPK1618 TC UK11CA1347	M/S Jai Bhaironath
20	T090118H	Dumper 16 Ton LPK1618 TC UK11CA1324	M/S Jai Bhaironath
21	T090119H	Dumper 16 Ton LPK1618 TC UK11CA3737	M/S Jai Bhaironath
22	T090316H	Dumper 25 Ton Bharat Banz 2523C UK14CA4355	M/S Jai Bhaironath
23	T090317H	Dumper 25 Ton Bharat Banz 2523C UK14CA4356	M/S Jai Bhaironath
24	T090334H	Dumper 25 Ton Bharat Banz 2523C UK14CA4512	M/S Jai Bhaironath
25	T090333H	Dumper 25 Ton Bharat Banz 2523C UK14CA4516	M/S Jai Bhaironath
26	T090331H	Dumper 25 Ton Bharat Banz 2523C UK14CA4515	M/S Jai Bhaironath
27	T090332H	Dumper 25 Ton Bharat Banz 2523C UK14CA4514	M/S Jai Bhaironath
28	T090336H	Dumper 25 Ton Bharat Banz 2523C UK14CA4630	M/S Jai Bhaironath

Jai Bhaironath

29	T090337H	Dumper 25 TonBharat Banz 2523C UK14CA4631	M/S Jai Bhaironath
30	T090362H	Dumper 25 TonTata Signa 2825K UK14CA5577	M/S Aswal
31	T090398H	Dumper 25 TonTata Signa 2825K UK14CA9595	M/S Aswal
32	T090414H	Dumper 25 TonTata Signa 2823 C UK 14CA 9925	M/S Shivalik Construction
33	T090418H	Dumper 25 TonMahindra Blazo 2828 UK14CA4143	M/S Shivalik Construction
34	T090299H	Dumper 25 TonBharat Banz 2523C UK14CA2037	M/S IS Transport
35	T090124H	Dumper 25 TonAshok Leyland 2523 UK14CA4604	M/S IS Transport
36	T090411H	Dumper 25 TonTata Signa 2823 C UK14CA5057	M/S IS Transport
37	T090233H	Dumper 16 TonLPK1618 TC UK09CA1012	M/S Arvind Hatwal
38	T090234H	Dumper 16 TonLPK1618 TC UK09CA1014	M/S Arvind Hatwal
DAM			
39	H050097H	ExcavatorTATA PC-200	M/S IS Transport
40	H050098H	ExcavatorHyundai - PC 350	M/S IS Transport
41	H050100H	ExcavatorPC-215	M/S IS Transport
42	H050092H	ExcavatorPC-215	M/S IS Transport
43	H050107H	ExcavatorPC-300	M/S IS Transport
44	H050213H	ExcavatorPC-300	M/S IS Transport
45	H050214H	ExcavatorTata PC-200	M/S IS Transport
46	H050248H	Excavator with breaker Hyundai-215L	M/S Suraj Sailani
47	H050235H	Excavator with breaker Tata 210	M/S AR Associates
48	H090112H	Hydra Crane Hydra 14T UK 14F 5183	M/S AB Infratech
49	T010120H	6 M3 Transit Mixer TATA 2823 UK14CA4332	M/S IS Transport
50	T010101H	6 M3 Transit MixerAL-2518 UK14-CA-3781	M/S IS Transport
51	T010100H	6 M3 Transit MixerAL-2518 UK14-CA-3780	M/S IS Transport
52	T010121H	6 M3 Transit MixerTATA 2823 UK14-CA-4335	M/S IS Transport
53	T010122H	6 M3 Transit MixerTATA 2823 UK14-CA-4367	M/S IS Transport
54	T010123H	6 M3 Transit MixerTATA 2823 UK 14CA 4368	M/S IS Transport
55	T090114H	Dumper 16 TonTATA 1618 UK 11CA 0640	M/S Sanjeev Kumar
56	T090322H	Dumper 16 TonTATA 1618 UK 11CA 1740	M/S Sanjeev Kumar
57	T090298H	Dumper 16 TonTATA 1618 UK11CA 1640	M/S Vijay Rani

58	T090364H	Dumper 16 TonTATA 1618 UK11CA 1840	M/S Vijay Ram
59	T090277H	Dumper 25 TonAshok Leyland 2523 UK04CA 6761	M/S S S Bisht
60	T090359H	Dumper 16 TonTATA 1618 UK11CA1993	M/S Deepa Devi
61	T090358H	Dumper 16 TonTATA 1618 UK11CA0993	M/S Deepa Devi
62	T090379H	Dumper 16 TonTATA 1618 UK 11CA 8931	M/S Suraj Sailani
63	T090300H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3361	M/S IS Transport
64	T090315H	Dumper 25 TonBharat Banz 2523C UK14CA4334	M/S IS Transport
65	T090326H	Dumper 25 TonAshok Leyland 2523 UK14CA4389	M/S IS Transport
66	T090327H	Dumper 25 TonAshok Leyland 2523 UK14CA4390	M/S IS Transport
67	T090125H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2979	M/S IS Transport
68	T090130H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3360	M/S IS Transport
69	T090314H	Dumper 25 TonBharat Banz 2523C UK 14CA 4331	M/S IS Transport
70	T090131H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2980	M/S IS Transport
71	T090167H	Dumper 25 TonBharat Banz 2523C UK 14CA 2214	M/S IS Transport
72	T090357H	Dumper 25 TonBharat Banz 2523C UK14CA 3089	M/S IS Transport
73	T090360H	Dumper 25 TonBharat Banz 2523C UK 14CA 3061	M/S IS Transport
74	T090361H	Dumper 25 TonBharat Banz 2523C UK 14CA 2980	M/S IS Transport
75	T090412H	Dumper 25 TonTata Signa 2823C UK 14CA 5068	M/S IS Transport
76	T090413H	Dumper 25 TonTata Signa 2823C UK 14CA 5248	M/S IS Transport
77	T090410H	Dumper 25 TonBharat Benz 2828C UK 14CA 4314	M/S IS Transport
78	T090420H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
79	T090421H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
80	T090363H	Dumper 16 TonTata 1613 HP 38F 3819	M/S Aswal
81	T090415H	Dumper 16 TonTata 2523 UK 09CA 0399	M/S THDCIL
82	T090416H	Dumper 16 TonTata 2523 UK 09CA 0593	M/S THDCIL
83	T090417H	Dumper 16 TonTata 2523 UK 09CA 0594	M/S THDCIL

84	T090419H	Dumper 16 TonTata 2518 UK 09CA 0397	M/S THDCIL
85	T090347H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5672	M/S AR Associates
86	T090381H	Dumper 25 TonAshok Leyland 2523 UK 07CB 7101	M/S AR Associates
87	T090348H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5673	M/S AR Associates
88	T090350H	Dumper 16 TonTATA 1618 UK 07CB 0585	M/S AR Associates



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List of HCC vehicles and equipment

Project: VPHEP			July'24
Sr. No.	Log No	Equipment Description	Remarks
1	A0500244	100 Kva Diesel Generating Set Powerica	
2	A0500277	500 Kva Diesel Generating Set Til	
3	A0500285	500 Kva Diesel Generating Set Til	
4	A0500306	75 Kva Diesel Generating Set Powerica	
5	A0500376	75 Kva Diesel Generating Set Powerica	
6	A0500416	30 Kva Diesel Generating Set Powerica	
7	A0500417	30 Kva Diesel Generating Set Powerica	
8	A0500426	15 Kva Diesel Generating Set Powerica	
9	A0500443	30 Kva Diesel Generating Set Sudhir	
10	A0500446	30 Kva Diesel Generating Set Sudhir	
11	A0500544	320 Kva Diesel Generating Set Til	
12	A0500546	40 Kva Diesel Generating Set Powerica	
13	A0500548	320 Kva Diesel Generating Set Sudhir	
14	A0500637	500 Kva Diesel Generating Set Til	
15	A0500642	500 Kva Diesel Generating Set Til	
16	A0500643	500 Kva Diesel Generating Set Til	
17	A0500653	500 KVA Diesel Generating Set TIL	
18	A0500662	500 KVA Diesel Generating Set GMMCO	
19	A0500663	320 KVA Diesel Generating Set GMMCO	
20	A0500664	500 KVA Diesel Generating Set GMMCO	
21	A0500667	2000 KVA Prime Power DG Set TIL	
22	A0500668	2000 KVA Prime Power DG Set TIL	
23	A0500669	2000 KVA Prime Power DG Set TIL	
24	A0500670	2000 KVA Prime Power DG Set TIL	
25	A0500681	1010 Kva Diesel Generating Set	
26	A0500683	1010 Kva Diesel Generating Set	
27	A0600135	1250KVA 11/0.43KV Power Trans.Crompton	
28	A0600138	250KVA 11/0.43KV Power Trans.Gec	
29	A0600155	315KVA 11/0.43KV Power Trans.Gec	
30	A0600158	500KVA 11/0.43KV Power Trans	
31	A0600194	2500KVA 11/433V Power Trans.Vivekanand	
32	A0600215	500KVA 11/0.43KV Power Trans.Vivekanand	
33	A0600250	500KVA 11/0.43KV Power Trans.Vivekanand	
34	A0600254	250KVA 22/11/0.43KV Power Trans Vivekana	
35	A0600256	1600KVA 11/0.43KV Power Trans.Vivekanand	
36	A0600260	750KVA 33-11/0.43KV Power Trans Vivekana	
37	A0600263	1500KVA 11/0.43KV Power Trans.Vivekanand	
38	A0600282	1250KVA 11/0.43KV Power Trans.Stanlec	
39	A0600302	1000KVA 11/0.44KV Power Trans Vivekanand	
40	A0600304	750KVA 11/0.43KV Power Trans.Vivekanand	
41	A0600338	160 KVA Power Transformer Vivekanand	
42	A0600344	500 KVA Power Transformer Vivekanand	
43	A0600351	750 KVA Power Transformer Vivekanand	
44	A0600358	2500 KVA Power Transformer	
45	A1400002	Synchronizing Panel	
46	B0500131	Wagon Drill Atlas Copco B3C 120F	



47	B0600100	Crawler Drill Atlas Copco ROC 203	
48	B0600102	Crawler Drill Atlas Copco ROC 203	
49	B0600106	Crawler Drill Atlas Copco ROC 203	
50	B0600107	Crawler Drill Atlas Copco ROC 203	
51	B0600108	Crawler Drill Atlas Copco ROC 203	
52	B0600109	Crawler Drill Atlas Copco ROC 203	
53	B0600114	Crawler Drill Atlas Copco ROC 203	
54	B0600133	Crawler Drill Atlas Copco ROC 203	
55	B0600134	Crawler Drill Atlas Copco ROC 203	
56	B0600135	Crawler Drill Atlas Copco ROC 203	
57	B0600136	Crawler Drill Atlas Copco ROC 203	
58	B0600137	Hydraulic Crawler drill DX 700 Sandvik	
59	B0600138	Hydraulic Crawler drill DX 700 Sandvik	
60	B0600147	Crawler Drill Atlas Copco ROC 203	
61	B0600150	Crawler Drill Atlas Copco ROC 203	
62	B0600151	Crawler Drill Atlas Copco ROC 203	
63	B0600153	Crawler Drill Atlas Copco ROC 203	
64	B0600157	Crawler Drill Atlas Copco ROC 203	
65	B0600162	Crawler Drill Atlas Copco ROC 203	
66	B0600169	Crawler Drill Atlas Copco ROC 203	
67	B0600172	Hydraulic Surface drill Sandvik DQ 500	
68	B0600173	Hydraulic Surface drill ROC T20 R	
69	B0600179	Hydraulic Surface drill Sandvik DC 302 R	
70	B0600180	Hydraulic Surface drill Sandvik DC 302 R	
71	B0600181	Hydraulic Surface drill Sandvik DC 302 R	
72	B0600182	Hydraulic Surface drill Sandvik DC 302 R	
73	B0900039	Hyd.2 boom drilling Jumbo Atlascopco L2D	
74	B0900042	Hyd.2 boom drilling Jumbo Atlascopco L2D	
75	B0900052	Hyd.2 boom drilling Jumbo AXERA 8-290	
76	B0900054	Hyd.2 boom drilling Jumbo AXERA 8-290	
77	B0900058	Hyd.2 boom drilling Jumbo AXERA 8-290	
78	B0900059	Hyd.2 boom drilling Jumbo AXERA DT 820	
79	B0900061	Hyd.2 boom drilling Jumbo AXERA DT 820	
80	B0900068	Hyd.2 boom drilling Jumbo AXERA DT 820	
81	B0900069	Hyd.2 boom drilling Jumbo AXERA DT 820	
82	B0900074	Hyd.2 boom drilling Jumbo AXERA DT 820	
83	B0900075	Hyd.2 boom drilling Jumbo AXERA DT 820	
84	B0900076	Hyd.2 Boom Drilling Jumbo AXERA DT 820	
85	B0900082	Hyd.2 boom drilling Jumbo Atlascopco L2D	
86	B0900085	Hyd.2 boom drilling Jumbo DT 820	
87	B0900086	Hyd.2 boom drilling Jumbo DT 820	
88	B0900091	Hyd.2 Boom Drilling Jumbo Atlascopco 282	
89	B0900092	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
90	B0900093	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
91	B0900097	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
92	B0900109	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
93	B0900110	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
94	B1200062	Hyd.Rock Breaker Atlascopco ME1200	
95	C0100123	600 cfm Ingersoll Rand Diesel Compressor	
96	C0100207	600 Cfm Atlas Copco Diesel Air Compressor	



97	C0100218	600 cfm Atlas Copco Diesel Compressor	
98	C0100232	600 cfm Atlas Copco Diesel Compressor	
99	C0100253	600 cfm Atlas Copco Diesel Compressor	
100	C0100272	600 cfm Atlas Copco Diesel Compressor	
101	C0100274	600 cfm Atlas Copco Diesel Compressor	
102	C0100280	600 cfm Atlas Copco Diesel Compressor	
103	C0100282	600 cfm Atlas Copco Diesel Compressor	
104	C0100290	600 cfm Atlascopco Diesel Compressor	
105	C0100291	600 cfm Atlascopco Diesel Compressor	
106	C0100299	300 cfm Compressor Atlascopco XA 146 HD	
107	C0100309	600 cfm Atlas copco Diesel Compressor	
108	C0200159	585 cfm Atlas Copco Electric Compressor	
109	C0200167	816 cfm Atlas Copco Belgium Gr200w Compr	
110	C0200186	587 cfm Atlas Copco Electric Compressor	
111	C0200190	572 cfm Elect.Compressor Atlascopco GA90	
112	C0200195	572 cfm Elect.Compressor Atlascopco GA90	
113	C0200204	572 cfm Elect.Compressor Atlascopco GA90	
114	C0200206	572 cfm Elect.Compressor Atlascopco GA90	
115	C0200208	572 cfm Elect.Compressor Atlascopco GA90	
116	C0200209	572 cfm Elect.Compressor Atlascopco GA90	
117	C0200210	572 cfm Elect.Compressor Atlascopco GA90	
118	C0200213	572 cfm Elect.Compressor Atlascopco GA90	
119	C0200214	572 cfm Elect.Compressor Atlascopco GA90	
120	C0200215	572 cfm Elect.Compressor Atlascopco GA90	
121	C0200216	572 cfm Elect.Compressor Atlascopco GA90	
122	C0200223	600 Cfm Compressor Atlascopco GA 90 AWP	
123	C0200224	600 Cfm Compressor Atlascopco GA 90 AWP	
124	C0200225	600 cfm Compressor Atlascopco GA 90 AWP	
125	C0200227	600 cfm Compressor Atlascopco GA 90 7.5	
126	D0100290	0.75M3 Gamzen 750RD Concrete Mixer	
127	D0100303	0.60m3 Concrete Mixer Electric PENTA 750	
128	D0300044	35 TPH Vertical Cement Screw	
129	D0400057	120 M3 Simem Wetbeton 120 Batching Plant	
130	D0400058	120 M3 Simem Wetbeton 120 Batching Plant	
131	D0400071	60M3 Schwing Stetter H 1.25 Batching Pla	
132	D0400077	25 M3 Siemem WB 25 Batching Plant	
133	D0400082	25 M3 Siemem WB 25 Batching Plant	
134	D0400084	25 M3 Siemem WB 25 Batching Plant	
135	D0500037	42 M3 HR.BP-1800 HDR D Portable Schwing	
136	D0500049	30 M3 Concrete Pump Sany Diesel	
137	D0500080	30 M3 Concrete Pump Schwing BP 350E	
138	D0500082	30 M3 Concrete Pump Greaves BP 350	
139	D0500085	30 M3 Concrete Pump Schwing stetter BP	
140	D0500087	42 M3 Concrete Pump BP1800 HDR-E	
141	D0500096	30 M3 Concrete Pump S.Stetter BP 350 EXT	
142	D0500100	30 M3 Concrete Pump S.Stetter BP 350 EXT	
143	D0500117	30 M3 Concrete Pump BP 350 EXT	
144	D0500126	30 M3 Concrete Pump BP 350 EXT	
145	D0500127	30 M3 Concrete Pump BP 350 EXT	
146	D0500132	60 M3 Concrete Pump SP1800	



147	D0500133	60 M3 Concrete Pump SP1800	
148	D1100039	4M ³ Transit Mixer Shirke	
149	D1100064	6M ³ Transit Mixer Schwing Stetter	
150	D1100076	6M ³ Transit Mixer Schwing Stetter	
151	D1100079	6M ³ Transit Mixer Schwing Stetter	
152	D1100093	6M ³ Transit Mixer Shirke	
153	D1100109	6M ³ Transit Mixer Shirke	
154	D1100124	6M ³ Transit Mixer Schwing Stetter	
155	D1100125	6M ³ Transit Mixer Schwing Stetter	
156	D1100127	6M ³ Transit Mixer Schwing Stetter	
157	D1100130	6M ³ Transit Mixer Schwing Stetter	
158	D1100135	6M ³ Transit Mixer Schwing Stetter	
159	D1100170	6M ³ Transit Mixer Schwing Stetter	
160	D1100178	6M ³ Transit Mixer Schwing Stetter	
161	D1100188	6M ³ Transit Mixer Schwing Stetter	
162	D1100232	6M ³ Transit Mixer Schwing Stetter	
163	D1100233	6M ³ Transit Mixer Schwing Stetter	
164	D1100235	6M ³ Transit Mixer Schwing Stetter	
165	D1100248	6M ³ Transit Mixer Schwing Stetter	
166	D1100249	6M ³ Transit Mixer Schwing Stetter	
167	D1100267	6M ³ Transit Mixer S.Stetter AM 6SHN-RH	
168	D1100286	4M ³ Transit Mixer Sch.stetter AM4 SHN	
169	D1100289	4M ³ Transit Mixer Sch.stetter AM4 SHN	
170	D1100290	4M ³ Transit Mixer Sch.stetter AM4 SHN	
171	D1100293	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
172	D1100296	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
173	D1100329	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
174	D1100330	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
175	D1600002	Design, Engineering AND Complete Tunnel	
176	E0100030	1 M3 Dry Shotcrete Machine	
177	E0100046	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
178	E0100057	30 M3 Wet Shortcrete M/C With robo arm	
179	E0100062	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
180	E0100072	20 M3 Dry Shotcrete Machine	
181	E0100078	30 M3 Wet Shortcrete M/C With robo arm	
182	E0100079	5-7 M3 Wet Shotcrete Machine	
183	E0100080	30 M3 Wet Shortcrete M/C With robo arm	
184	E0100083	30 M3 Wet Shortcrete M/C With robo arm	
185	E0100094	33 M3 Wet shotcrete Pump	
186	E0100098	30 M3 Wet Shortcrete M/C With robo arm	
187	E0100099	30 M3 Wet Shortcrete M/C With robo arm	
188	E0100100	30 M3 Wet Shortcrete M/C With robo arm	
189	E0100102	30 M3 Wet Shortcrete M/C With robo arm	
190	E0100107	30 M3 Wet Shortcrete M/C With robo arm	
191	E0100108	30 M3 Wet Shortcrete M/C With robo arm	
192	E0100113	30 M3 Wet Shortcrete M/C With robo arm	
193	E0100115	20 M3 Wet Shotcrete M/C with robo arm	
194	E0100127	Wet shotcrete Machine TSR 30.14	
195	E0100128	Wet shotcrete Machine TSR 30.14	
196	E0700007	0-200 Lpm Atlas Copco Gr.System Model E2	



197	E0700008	Atlas Copco Grouting Equipment	
198	E0700036	Uni Grout E 200 100 - 12 H	
199	E0700045	Grouting Equipment Unigrout E 200 100	
200	E0700046	Mai injection Grout Pump M 400 NT	
201	E0700047	Mai Grout Pump M 400 NT	
202	E0700048	Mai Grout Pump M 400 NT	
203	E0700057	Uni Grout Pump 100-12 EH	
204	E0700066	Mai Grout Pump Atlascopco M 400 NT	
205	E0700083	Mai Grout Pump Atlascopco M 400 NT	
206	E0700105	Mai Grout Pump Atlas Copco M 400 NT	
207	E0700106	Mai Grout Pump Atlas Copco M 400 NT	
208	E0700107	Mai Grout Pump Atlas Copco M 400 NT	
209	E0700108	Mai Grout Pump Atlas Copco M 400 NT	
210	E0700109	Mai Grout Pump Atlas Copco M 400 NT	
211	E0700118	Mai Grout Pump Atlas Copco M 400 NT	
212	E0700127	Mai Grout Pump Atlas Copco M 400 NT	
213	E0700128	Mai Grout Pump Atlas Copco M 400 NT	
214	E0700129	Mai Grout Pump Atlas Copco M 400 NT	
215	E0700130	Mai Grout Pump Atlas Copco M 400 NT	
216	G0200033	15 Ton Magna Engineers E.O.T.Crane	
217	G0200052	12.50 Ton Electromech Gantry Crane	
218	G0200085	20 Ton Gantry Crane Anupam span 25 mtr	
219	G0200087	20 Ton EOT Crane Anupam span 25mtr	
220	G0200088	5 Ton EOT Crane Anupam span 25mtr.	
221	G0200092	30 Ton Gantry Crane for pressure Shaft	
222	G0200093	30 Ton Gantry Crane for pressure Shaft	
223	G0200102	5 Ton Electromech Gantry Crane Span 20M	
224	G0200109	5 Ton Gantry Crane Span 14M HuH 6m	
225	G0200114	10 Ton Electromech Gantry Crane	
226	G0200115	35 Ton Gantry Crane	
227	G0200123	D/G 30T Gantry Crane w/o Crab 30M Span	
228	G0300055	10 T@40M Shirke Potain Tower Crane	
229	G0300058	10 T@30M Shirke Potain Tower Crane	
230	G0700015	FORKLIFT	
231	G0700028	Furukawa Unic Crane URV 504 TR. MOUNTED	
232	G0700032	Articulated crane mounted on LPK1613/42	
233	G0700037	Electric Forklift GX 300E Godrej	
234	G0700038	3.50 T.Maniscopic Telehandler MT 1235 S	
235	G0700039	3.50 T.Maniscopic Telehandler MT 1235 S	
236	G0700043	3.50 T.Maniscopic Telehandler MT 1235 S	
237	G0700059	3.50 Maniscopic Telehandler MT1235S	
238	G0700062	3.50 Maniscopic Telehandler MT1235S	
239	G0700066	Articulated Crane mounted on LPT 1616/48	
240	G0700077	4T Manitou Telehandler MT-X-1440 c/w R C	
241	G0700078	Telehandler JCB 3T 5311A	
242	G0700079	Telehandler JCB 3T 5311A	
243	G1200001	Two Segment Lifter 5 Ton Scissor type	
244	H0100084	Crawler Dozer 165HP Hindustan Motors	
245	H0100109	Crawler Dozer 165HP Shanghai Peng Pu Pd	
246	H0100116	Crawler Dozer 165HP Shanghai Peng Pu Pd	



247	H0100118	Crawler Dozer 320HP Shanghai Peng Pu Pd	
248	H0100125	Crawler Dozer 104HP Komatsu D41-E-6	
249	H0100129	Crawler Dozer 180 HP D 65E-12	
250	H0400053	Back Hoe Loader JCB 4DX	
251	H0400074	Back Hoe Loader JCB 4DX	
252	H0400075	Back Hoe Loader JCB 4DX	
253	H0400076	Back Hoe Loader JCB 4DX	
254	H0500193	0.30 M3 Hydraulic Excavator JCB JS 80	
255	H0500241	0.93 M3 Hydraulic Excavator L&T PC-200-6	
256	H0500264	0.93 M3 Hydraulic Excavator L&T PC-200-6	
257	H0500265	0.93 M3 Hydraulic Excavator L&T PC-200-6	
258	H0500268	0.93 M3 Hydraulic Excavator L&T PC-200-6	
259	H0500285	2.10 M3 Hydraulic Excavator L&T PC 300-7	
260	H0500294	Zero Tail Swing Hyd.Excavator VIO 20-3-P	
261	H0600045	65 Ton Crawler Crane Sumitomo SC-650-II	
262	H0600062	80 Ton Crawler Crane Fushun ACC.800	
263	H0800088	3 M3 Wheel Loader CAT 966 F Side dump	
264	H0800098	3 M3 Wheel Loader CLG 856 Side Dump	
265	H0800105	3 M3 Wheel Loader CLG 856 Side Dump	
266	H0800112	2.7 M3 Wheel Loader CLG 856 Side Dump	
267	H0800118	2.7 M3 Wheel Loader CLG 856 Side Dump	
268	H0800135	1.80 M3 F.End Loader 432ZX With S.Bucket	
269	H0800147	1.80 M3 F.End Loader 432ZX with S.bucket	
270	H0800154	2.7 M3 Wheel Loader CAT 950 H Side dump	
271	H0800163	2.7 M3 Wheel Loader CLG 856 BS III	
272	H0800164	2.7 M3 Wheel Loader CLG 856 BS III Side	
273	H0900065	25 Ton Mobile/Rough Terrain Crane KR25H	
274	H0900070	10 Ton Mobile/Rough Terrain Crane K-10	
275	H0900086	25 Ton Mobile Crane Kato KR 25H-V	
276	H0900094	30 Ton Hyd.Mobile Crane RT 630C	
277	H0900095	30 Ton Hyd.Mobile Crane RT 630C	
278	H0900098	30 Ton Hyd.Mobile Crane TIL RT 630	
279	H0900106	14 Ton Pick and Carry Crane F 15	
280	H0900107	14 ton Pick and Carry Crane F 15	
281	H0900116	30 Ton Hyd.Mobile Crane Escort RT 30	
282	J0100069	250 Ton Jaw Crusher Svedala Arbra1208 HD	
283	J0100086	175 TPH Jaw Crusher Nawa Engg.&Consultan	
284	J0100096	175 TPH Jaw Crusher JM 1108	
285	J0300022	250 TPH Cone Crusher Svedala Arb H-3000E	
286	J0300023	250 TPH Hyd Cone Crusher Svedala Arb H	
287	J0300026	250 TPH Cone Crusher Svedala Arb S-000EC	
288	J0300042	Cone Crusher Metso GP11F	
289	J0300051	175 TPH Hydrocone Crusher Sandvik S-3800	
290	J0500011	200 TPH Vertical Shaft Impactor Svedala	
291	J0500018	300 TPH Vertical Shaft Impactor Metso Mi	
292	J0500022	Vertical Shaft Impactor (METSO B9100 DD)	
293	J0500031	Verticle Shaft Impactor MetsoNordberg	
294	J0500035	150TPH METSO VSI Barmac B9000	
295	J0800018	200 TPH Crushing Plant	
296	J0800025	100 Ton Crushing Plant (assembled)	



297	K0100111	150 TPH Vibrating Screen Metso Minerals	
298	K0100121	300 TPH Vibrating Screen Metso Minerals	
299	K0100146	Vibrating Screen III Deck 551233	
300	K0100147	Vibrating Screen III Deck TS- 2.30	
301	K0100155	Tripple Deck Screen RIPLFLO 48/18	
302	K0100156	Tripple Deck Screen RIPLFLO 48/18	
303	K0500047	210 TPH Svedala Vibrating Feeder	
304	K0500052	200 TPH Svedala Vibrating Feeder	
305	K0500070	200 TPH Svedala Vmot 46/12 Grizzly Feede	
306	K0500102	300 TPH Metso Minerals Vmot 46/12 Grizzl	
307	K0500128	225 TPH Vibrating Feeder-Metso Minerals	
308	K0500129	225 TPH Vibrating Feeder-Metso Minerals	
309	K0500131	225 TPH Vibrating Feeder-Metso Minerals	
310	K0500180	Grizzly Feeder GF 1246	
311	K0600008	Screw Classifier Soc, General Machine Ed	
312	K0600011	Screw Classifier AAR TECH SERVICES MEM 9	
313	K1300002	Shuttle Conveyor 200 TPH Cobit Engg.	
314	K1300005	Shuttle Conveyor 200 TPH Cobit Engg.	
315	L0100026	36 MM P 36 Bar Bending Machine Icaro	
316	L0200062	55 MM Dia Bar Cutting Machine Icaro C-55	
317	L0200080	42 MM Bar Cutting Machine Icaro C-42	
318	M0100100	1 M. MYSORE KIRLOSKAR ENTERPRISE 400 LAT	
319	M0100135	Lathe Machine Atlas Super cut bed 16'	
320	M0200096	32 MM Radial Drilling Machine MAG-3	
321	M0500029	630 MM Shaping Machine Parksons Engg	
322	P0101397	75 HP; 900 LPM @ 200 M HEAD KIRLOSKAR PU	
323	P0101717	90 KW Centrifugal Pump M&P 150/200GST	
324	P0101735	20 HP Centrifugal pump PN 17, M & Platt	
325	P0101736	20 HP Centrifugal pump PN 17, M & Platt	
326	P0101737	20 HP Centrifugal pump PN 17, M & Platt	
327	P0101738	20 HP Centrifugal pump PN 17, M & Platt	
328	P0101739	20 HP Centrifugal pump PN 17, M & Platt	
329	P0101740	20 HP Centrifugal pump PN 17, M & Platt	
330	P0101741	20 HP Centrifugal pump PN 17, M & Platt	
331	P0101745	90 KW Centrifugal Pump M&P 150/200GST	
332	P0200151	75.50 HP Well Point Pump Diesel driven	
333	P0200152	75.50 HP Well Point Pump Diesel driven	
334	P0200153	75.50 HP Well Point Pump Diesel driven	
335	P0200154	75.50 HP Well Point Pump Diesel driven	
336	P0900667	25 HP; 3750 LPM @ 20 M HEAD MODY SUBMERS	
337	P0900826	50 HP Submersible Pump HD 50 H Hitec	
338	P0900858	25 HP Submersible Pump G 802T, Mody make	
339	P0900877	50 HP Submersible Pump HD 50H Hitec	
340	P0900886	35 HP Submersible Pump Hitec HD 35 H	
341	P0900887	35 HP Submersible Pump Hitec HD 35 H	
342	P0900888	35 HP Submersible Pump Hitec HD 35 H	
343	P0900889	35 HP Submersible Pump Hitec HD 35 H	
344	P0900890	35 HP Submersible Pump Hitec HD 35 H	
345	P0900892	35 HP Submersible Pump Hitec HD 35 H	
346	P0900907	50 HP Submersible Pump Hitec HD 50 H	



347	P0900909	50 HP Submersible Pump Hitec HD 50 H	
348	P0900910	35 HP Submersible Pump Hitec HD 35 H	
349	P0900911	35 HP Submersible Pump Hitec HD 35 H	
350	P0900912	35 HP Submersible Pump Hitec HD 35 H	
351	P0900913	35 HP Submersible Pump Hitec HD 35 H	
352	P0900917	35 HP Submersible Pump Hitec HD 35 H	
353	P0900932	35 HP Submersible Pump HD35H	
354	P0900933	35 HP Submersible Pump HD35H	
355	P0900934	35 HP Submersible Pump HD35H	
356	P0900935	35 HP Submersible Pump HD35H	
357	P0900936	35 HP Submersible Pump HD35H	
358	P0900937	75HP submersible Pump HD 75	
359	P0900938	75HP submersible Pump HD 75	
360	P0900962	35 HP Submersible Pump HD35H	
361	P0900963	35 HP Submersible Pump HD35H	
362	P0900964	35 HP Submersible Pump HD35H	
363	P0900965	75HP submersible Pump HD 75	
364	P0900966	75HP submersible Pump HD 75	
365	P0900967	75HP submersible Pump HD 75	
366	P0900968	75HP submersible Pump HD 75	
367	P0900969	75HP submersible Pump HD 75	
368	P0900988	35 HP Submersible Pump HD35H	
369	P0900991	35 HP Submersible Pump HD35H	
370	P0900992	35 HP Submersible Pump HD35H	
371	P0901001	35 HP Submersible Pump HD35H	
372	P0901002	35 HP Submersible Pump HD35H	
373	P0901004	50HP Submersible Pump HD50H	
374	P0901005	50HP Submersible Pump HD50H	
375	P0901009	50HP Submersible Pump HD50H	
376	P0901015	35 HP Submersible Pump HD35H	
377	P0901016	35 HP Submersible Pump HD35H	
378	Q0500100	10 Ton Vibratory Com.Greaves Bomag BW212	
379	Q0500104	10 Ton Vibratory Com.Greaves Bomag BW212	
380	R0100074	200 TR Chilling Plant Eu Industrial	
381	R0100077	160 TR Chilling Plant Eu Industrial	
382	R0100104	50 TR Chilled Water Plant EU	
383	R0100107	20 TPD Ice Plant Geoflair Greentech	
384	R0100108	20 TPD Ice Plant Geoflair Greentech	
385	R0100109	20 TPD Ice Plant Geoflair Greentech	
386	R0300116	75 KW x 2 Ventilation fan Zitron	
387	R0300124	75 KW Ventilation fan Zitron ZVN 1-14-75	
388	R0300144	75 KW Ventilation fan Zitron ZVN 1-16-75	
389	R0300152	132 KW Ventilation Fan Zitron	
390	R0300163	75 KW Ventilation fan Zitron ZVN 1-16-75	
391	R0300169	75 KW Ventilation fan Zitron ZVN 1-14-75	
392	R0300176	75 KW Ventilation fan Zitron ZVN 1-16-75	
393	R0300183	250 KW Ventilation fan Zitron ZVN 1-18	
394	R0300184	250 KW Ventilation fan Zitron ZVN 1-18	
395	R0300185	250 KW Ventilation fan Zitron ZVN 1-18	
396	R0300187	250 KW Ventilation fan Zitron ZVN 1-18	



397	R0300192	250 KW Ventilation fan Zitron ZVN 1-18	
398	R0300193	250 KW Ventilation fan Zitron ZVN 1-18	
399	R0300194	250 KW Ventilation fan Zitron ZVN 1-18	
400	R0300198	355 KW Ventilation fan ZVN-1-18-355/4	
401	R0300200	250 KW Ventilation fan Zitron	
402	R0300208	250 KW Ventilation fan ZVN-1-18-250/4	
403	R0300209	250 KW Ventilation fan ZVN-1-18-250/4	
404	R0300217	132KW Ventilation Fan ZVN-16-132/4	
405	R0300218	132 KW Ventilation Fan ZVN -16-132/4	
406	R0300221	132 KW Ventilation Fan ZVN -16-132/4	
407	R0300228	75 KW Ventilation fan gEL9-75/2	
408	R0300240	355 KW Ventilation fan ZVN-1-18-355/4	
409	R0300241	355 KW Ventilation fan ZVN-1-18-355/4	
410	R0300242	75 KW Ventilation fan gEL9-75/2	
411	S0700128	Auto Compressor 34.1 cfm Elgi	
412	S1700015	Mobile Service Container	
413	S1700024	Maintainence Container(MSU)on 1613/42	
414	S1700030	Service Container for Boomer	
415	S2900005	12 HP Jet Cleaning Machine	
416	T0100575	Tata Chassis SE1613/42 Jet Cleaning Mach	
417	T0100589	Tata Chassis LPT 1613/42 Diesel Tanker	
418	T0100596	Tata Chassis LPK2516/38TC Transit Mixer	
419	T0100615	Tata Chassis LPK2516/38TC Transit Mixer	
420	T0100648	Tata Chassis LPK2516/38TC Transit Mixer	
421	T0100649	Tata Chassis LPK2516/38TC Transit Mixer	
422	T0100650	Tata Chassis LPK2516/38TC Transit Mixer	
423	T0100659	Tata Chassis LPK2516/38TC Transit Mixer	
424	T0100687	Tata Chassis SE1613/48 Mobile Service Un	
425	T0100724	Tata Chassis LPK2516/38TC Transit Mixer	
426	T0100731	Tata Chassis LPT1613/48TC Flat Bed Truck	
427	T0100757	Tata Chassis LPK2516/38TC Transit Mixer	
428	T0100758	Tata Chassis LPT1613/48Mobile Service Un	
429	T0100783	Tata Chassis LPT1613/42 Water Tanker	
430	T0100790	Tata Chassis for Truck mounted Crane	
431	T0100816	Tata Chassis LPK2516/38TC Transit Mixer	
432	T0100828	Tata Chassis LPT1613/48TC Flat Bed Truck	
433	T0100856	Ashok Leyland Chassis 2516H/4C Taurus	
434	T0100862	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
435	T0100864	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
436	T0100884	Tata Chassis LPT1613/42TC Scisor Lift	
437	T0100887	Tata Chassis LPT1613/42TC Scisor Lift	
438	T0100910	Tata Chassis LPK2516/38TC Transit Mixer	
439	T0100922	Tata Chassis LPK2516TC/38 Transit Mixer	
440	T0100923	Tata Chassis LPK2516TC/38 Transit Mixer	
441	T0100926	Tata chassis LPT1613/42Diesel bowser mou	
442	T0100927	Tata Chassis LPT1613/42 Water Tanker	
443	T0100928	Tata Chassis LPT1613/42 Water Tanker Mou	
444	T0100929	Tata Chassis LPT1613/48TC Flat Bed Truck	
445	T0100932	Tata LPT1613/42 ch.for HAIB articu.crane	
446	T0100939	Tata chassis LPT1613/42Diesel bowser	

447	T0100941	Tata ch. LPT 1613/42 for Scissor Lift	
448	T0100956	Tata chassis LPT 1613/42 for S. lift	
449	T0100961	Tata Chassis LPK 2516TC/38 for T.Mixer	
450	T0100993	Tata ch. SE 1613TC/42 for Transit Mixer	
451	T0101013	Tata LPT 1613/48 Flat bed Truck	
452	T0101014	Tata LPT 1613TC/42 for Diesel Refueller	
453	T0101015	Tata LPT 1616/42 Chassis for S.Lift	
454	T0101017	Tata LPK2518 Chassis for Transit Mixer	
455	T0101018	Tata LPK2518 Chassis for Transit Mixer	
456	T0101020	Tata LPT 1616/42 Chassis for W.Tanker	
457	T0101022	Tata LPT 1616/42 Chassis for W.Tanker	
458	T0101033	Tata LPT 1616/48 Truck (CLB)	
459	T0101041	Tata LPT 1616/48 for Articulated Crane	
460	T0101042	Tata LPT 1616/48 Truck (CLB)	
461	T0101043	Tata ch.SE 1613TC/42 for Transit Mixer	
462	T0101052	Tata ch.SE 1613TC/42 for Transit Mixer	
463	T0101064	Tata LPK2518 Chassis for Transit Mixer	
464	T0101065	Tata LPK2518 Chassis for Transit Mixer	
465	T0101066	Tata LPK2518 Chassis for Transit Mixer	
466	T0101067	Tata LPK2518 Chassis for Transit Mixer	
467	T0101091	Tata LPK2518 Chassis for Transit Mixer	
468	T0101092	Tata LPK2518 Chassis for Transit Mixer	
469	T0200140	Pulling Unit Tata LPS 4018	
470	T0300174	25 Ton Trailer Semi Low Bed Satrac	
471	T0400110	28 Ton Tatra Trucks Hemang Dumper	
472	T0400111	28 Ton Tatra Trucks Hemang Dumper	
473	T0400112	28 Ton Tatra Trucks Hemang Dumper	
474	T0500126	SWARAJ MAZDA 32 SEATER MINI BUS	
475	T0500191	AMBULANCE 2 STRECHER	
476	T0500220	TATA LP 709/38 STAR BUS 32	
477	T0500265	MINI TRUCK Tata 407/34	
478	T0500320	Ambulance van 4 WD Swaraj Mazda	
479	T0500322	Tata Mini truck SCF 407/31	
480	T0500326	AMBULANCE Tata Winger	
481	T0500352	Tata Mobile 207 DI RX (Diesel Bouser)	
482	T0500361	Tata Mobile 207 DI RX (Diesel Bouser)	
483	T0600368	TOYOTA INNOVA -V	
484	T0600369	TOYOTA INNOVA -V	
485	T0600402	Scorpio Mahindra SLX 4WD	
486	T0600407	Tata Safari Dicor 2.2 VTT 4x4	
487	T0600425	Scorpio Mahindra MHawk VLX 4 WD	
488	T0800116	Diesel Locomotive 25 Ton	
489	T0800117	Diesel Locomotive 25 Ton	
490	T0900903	16 Ton Tata Hyva Dumper LPK2516 TC/38	
491	T0900907	16 Ton Tata Hyva Dumper LPK2516 TC/38	
492	T0900926	16 Ton Tata Hyva Dumper LPK2516 TC/38	
493	T0900935	16 Ton Tata Hyva Dumper LPK2516 TC/38	
494	T0900958	16 Ton Tata Hyva Dumper LPK2516 TC/38	
495	T0900960	16 Ton Tata Hyva Dumper LPK2516 TC/38	
496	T0900961	16 Ton Tata Hyva Dumper LPK2516 TC/38	

497	T0900963	16 Ton Tata Hyva Dumper LPK2516 TC/38	
498	T0900971	16 Ton Tata Hyva Dumper LPK2516 TC/38	
499	T0900976	16 Ton Tata Hyva Dumper LPK2516 TC/38	
500	T0900978	16 Ton Tata Hyva Dumper LPK2516 TC/38	
501	T0900979	16 Ton Tata Hyva Dumper LPK2516 TC/38	
502	T0901085	9 Ton Tata Tipper SK1613TC36	
503	T0901091	16 Ton Tata Hyva Tipper LPK2516TC38	
504	T0901093	16 Ton Tata Hyva Tipper LPK2516TC38	
505	T0901189	9 Ton Tata Tipper SK1613TC36	
506	T0901345	9 Ton Tata Tipper SK1613TC36	
507	T0901346	9 Ton Tata Tipper SK1613TC36	
508	T0901416	30Ton Volvo Tipper FM400 With Rock Body	
509	T0901418	25 ton Volvo Tipper Rock body 14 cum	
510	T0901422	25 ton Volvo Tipper Rock body 14 cum	
511	T0901423	25 ton Volvo Tipper Rock body 14 cum	
512	T0901432	25 ton Volvo Tipper Rock body 14 cum	
513	T0901436	25 ton Volvo Tipper Rock body 14 cum	
514	T0901437	25 ton Volvo Tipper Rock body 14 cum	
515	T0901438	25 ton Volvo Tipper Rock body 14 cum	
516	T0901468	16 Ton Hyva dumper Tata LPK 2518 TC	
517	T0901470	16 Ton Hyva dumper Tata LPK 2518 TC	
518	T0901480	16 Ton Hyva dumper Tata LPK 2518 TC	
519	T0901481	16 Ton Hyva dumper Tata LPK 2518 TC	
520	T0901482	16 Ton Hyva dumper Tata LPK 2518 TC	
521	T0901494	16 Ton Hyva dumper Tata LPK 2518 TC	
522	T0901495	16 Ton Hyva dumper Tata LPK 2518 TC	
523	T0901506	16 Ton Box Tipper LPK 2523 TC 6x4	
524	T0901507	16 Ton Box Tipper LPK 2523 TC 6x4	
525	T0901508	16 Ton Box Tipper LPK 2523 TC 6x4	
526	T0901509	16 Ton Box Tipper LPK 2523 TC 6x4	
527	T0901511	16 Ton Box Tipper LPK 2523 TC 6x4	
528	T0901512	16 Ton Box Tipper LPK 2523 TC 6x4	
529	T0901515	16 Ton Rock Body Scoop Tipper LPK2518	
530	T0901516	16 Ton Rock Body Scoop Tipper LPK2518	
531	T0901521	16 Ton Rock Body Scoop Tipper LPK2518	
532	T0901522	16 Ton Rock Body Scoop Tipper LPK2518	
533	T0901533	16 Ton Box Tipper LPK 2523 TC/38 6x4	
534	T0901534	16 Ton Box Tipper LPK 2523 TC/38 6x4	
535	T0901535	10Ton Tata LPK 1618/36 Scoop type Tipper	
536	T0901540	10Ton Tata LPK 1618/36 Scoop type Tipper	
537	T0901559	16 Ton Bharat Benz Dumper 2528CH 6x4	
538	T0901560	16 Ton Bharat Benz Dumper 2528CH 6x4	
539	T0901561	16 Ton Bharat Benz Dumper 2828CH 6x4	
540	V0300082	EPABX (SIEMENS HIPATH 1150)	
541	V1600174	TOTAL STATION	
542	V1800072	1 Sec. Tunnel Profiler TCRA 1201 R 400	
543	W0100231	400 AMP Diesel Welding Set Esab EDW 400	
544	W0100233	400 AMP Diesel Welding Set Esab EDW 400	
545	W0100234	400 AMP Diesel Welding Set Esab EDW 400	
546	W0200193	320 AMP Welding Motor Gen.Advani Orlikon	

547	W0200194	320 AMP Welding Generator Advani Orlikon	
548	W0200222	320 AMP Welding Generator Ador Orlikon	
549	W0200225	320 AMP Welding Generator Ador Orlikon	
550	W0400184	400 AMP Welding Rectifiers Advani Orliko	
551	W0400186	400 AMP Welding Rectifiers Advani Orliko	
552	X0500003	2500 KG. MAX. STATIC LOAD BORETEC STH-5L	
553	X0500004	2500 KG. STATIC LOAD BORETEC STH-5LS RAI	
554	X0600034	100 T Electroni Mobile Weig Essae TM-950	
555	X0600048	150 T Weigh Bridge Electronic Sartorius	
556	X0600054	150 Ton Satorius Weigh Bridge	
557	X0600083	100T Weigh Bridge Avery	
558	X1600009	Tunnel Boring M/C TERRATEC T-45 9.86M	
559	X1700003	Steam Boiler make Fuelpac FWH -400	
560	X1700005	Boiler make Fuel Pac FWH - 400	
561	X1700006	Boiler make Fuel Pac FWH - 400	
562	X2000002	Waste Water Treatment Plant 1 MLD	

Lyngans



List of Hired Equipment with Working Hours

Project: VPHEP			Month: July 2024
Sr. No.	Log No.	Equipment Description	Name of Hiring Agency
Power house			
1	H040052H	JCB 3DX UK14CA1299	M. Chaitanya Enterprises
2	H050212H	Excavator with breaker JCB-205	IS Transport
3	H050233H	Excavator with breaker TATA HITACHI-200	IS Transport
4	H050244H	Excavator JCB-205	IS Transport
5	H050210H	Excavator with breaker Hyundai- 150	IS Transport
6	H050249H	Excavator JCB-205	M. Chaitanya developers
7	H050194H	Excavator JCB-140	M. Chaitanya developers
8	H050095H	Excavator TATA EX-70	IS Transport
9	H050096H	Excavator PC-200	Jai Bhaironath
10	H050252H	Excavator Hyundai 215	Jai Bhaironath
11	H050112H	Excavator with breaker Hyundai 215	IS Transport
12	H050234H	Excavator with breaker JCB-215	IS Transport
13	H050169H	Excavator JCB 205	Arvind Hatwal
14	H050186H	Excavator JS 150	IS Transport
15	H050251H	Excavator JS-215	IS Transport
16	H050261H	Excavator with breaker Tata Jaxis-140	IS Transport
17	H050239H	Excavator with breaker Hyundai 215 L	S Ajay Negi
18	H050242H	Excavator with breaker Hyundai 215 L	S Ajay Negi
19	T010074H	Water Tanker Mahindra DI UK11CA1022	S Anita Devi
20	T090117H	Dumper 16 Ton LPK1618 TC UK11CA1347	Jai Bhaironath
21	T090118H	Dumper 16 Ton LPK1618 TC UK11CA1324	Jai Bhaironath
22	T090119H	Dumper 16 Ton LPK1618 TC UK11CA3737	Jai Bhaironath
23	T090316H	Dumper 25 Ton Bharat Banz 2523C UK14CA4355	Jai Bhaironath
24	T090317H	Dumper 25 Ton Bharat Banz 2523C UK14CA4356	Jai Bhaironath



25	T090334H	Dumper 25 TonBharat Banz 2523C UK14CA4512	M/S Jai Bhaironath
26	T090333H	Dumper 25 TonBharat Banz 2523C UK14CA4516	M/S Jai Bhaironath
27	T090331H	Dumper 25 TonBharat Banz 2523C UK14CA4515	M/S Jai Bhaironath
28	T090332H	Dumper 25 TonBharat Banz 2523C UK14CA4514	M/S Jai Bhaironath
29	T090336H	Dumper 25 TonBharat Banz 2523C UK14CA4630	M/S Jai Bhaironath
30	T090337H	Dumper 25 TonBharat Banz 2523C UK14CA4631	M/S Jai Bhaironath
31	T090362H	Dumper 25 TonTata Signa 2825K UK14CA5577	M/S Aswal
32	T090398H	Dumper 25 TonTata Signa 2825K UK14CA9595	M/S Aswal
33	T090414H	Dumper 25 TonTata Signa 2823 C UK 14CA 9925	M/S Shivalik Construction
34	T090418H	Dumper 25 TonMahindra Blazo 2828 UK14CA4143	M/S Shivalik Construction
35	T090431H	Dumper 25 TonAMW 2523 TP UK07C1050	M/S Shivalik Construction
36	T090432H	Dumper 25 TonMahindra 2515 HR55U 4517	M/S Shivalik Construction
37	T090433H	Dumper 25 Ton, Tata LPK 2518 UK08CA9783	M/S Shivalik Construction
38	T090434H	Dumper 25 Ton, Mahindra Blazo 2828, UK14CA4303	M/S Shivalik Construction
39	T090299H	Dumper 25 TonBharat Banz 2523C UK14CA2037	M/S IS Transport
40	T090124H	Dumper 25 TonAshok Leyland 2523 UK14CA4604	M/S IS Transport
41	T090411H	Dumper 25 TonTata Signa 2823 C UK14CA5057	M/S IS Transport
42	T090233H	Dumper 16 TonLPK1618 TC UK09CA1012	M/S Arvind Hatwal
43	T090234H	Dumper 16 TonLPK1618 TC UK09CA1014	M/S Arvind Hatwal
DAM			

44	H050097H	ExcavatorTATA PC-200	M/S IS Transport
45	H050098H	ExcavatorHyundai - PC 350	M/S IS Transport
46	H050100H	ExcavatorPC-215	M/S IS Transport
47	H050092H	ExcavatorPC-215	M/S IS Transport
48	H050107H	ExcavatorPC-300	M/S IS Transport
49	H050213H	ExcavatorPC-300	M/S IS Transport
50	H050214H	ExcavatorTata PC-200	M/S IS Transport
51	H050248H	Excavator with breaker Hyundai-215L	M/S Suraj Sailani
52	H050235H	Excavator with breaker Tata 210	M/S AR Associates
53	H090112H	Hydra Crane Hydra 14T UK 14F 5183	M/S AB Infratech
54	T010120H	6 M3 Transit Mixer TATA 2823 UK14CA4332	M/S IS Transport
55	T010101H	6 M3 Transit MixerAL-2518 UK14-CA-3781	M/S IS Transport
56	T010100H	6 M3 Transit MixerAL-2518 UK14-CA-3780	M/S IS Transport
57	T010121H	6 M3 Transit MixerTATA 2823 UK14-CA-4335	M/S IS Transport
58	T010122H	6 M3 Transit MixerTATA 2823 UK14-CA-4367	M/S IS Transport
59	T010123H	6 M3 Transit MixerTATA 2823 UK 14CA 4368	M/S IS Transport
60	T090114H	Dumper 16 TonTATA 1618 UK 11CA 0640	M/S Sanjeev Kumar
61	T090322H	Dumper 16 TonTATA 1618 UK 11CA 1740	M/S Sanjeev Kumar
62	T090298H	Dumper 16 TonTATA 1618 UK11CA 1640	M/S Vijay Ram
63	T090364H	Dumper 16 TonTATA 1618 UK11CA 1840	M/S Vijay Ram
64	T090277H	Dumper 25 TonAshok Leyland 2523 UK04CA 6761	M/S S S Bisht
65	T090359H	Dumper 16 TonTATA 1618 UK11CA1993	M/S Deepa Devi
66	T090358H	Dumper 16 TonTATA 1618 UK11CA0993	M/S Deepa Devi
67	T090379H	Dumper 16 TonTATA 1618 UK 11CA 8931	M/S Suraj Sailani
68	T090300H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3361	M/S IS Transport
69	T090315H	Dumper 25 TonBharat Banz 2523C UK14CA4334	M/S IS Transport
70	T090326H	Dumper 25 TonAshok Leyland 2523 UK14CA4389	M/S IS Transport

71	T090327H	Dumper 25 TonAshok Leyland 2523 UK14CA4390	M/S IS Transport
72	T090125H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2979	M/S IS Transport
73	T090130H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3360	M/S IS Transport
74	T090314H	Dumper 25 TonBharat Banz 2523C UK 14CA 4331	M/S IS Transport
75	T090131H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2980	M/S IS Transport
76	T090167H	Dumper 25 TonBharat Banz 2523C UK 14CA 2214	M/S IS Transport
77	T090357H	Dumper 25 TonBharat Banz 2523C UK14CA 3089	M/S IS Transport
78	T090360H	Dumper 25 TonBharat Banz 2523C UK 14CA 3061	M/S IS Transport
79	T090361H	Dumper 25 TonBharat Banz 2523C UK 14CA 2980	M/S IS Transport
80	T090412H	Dumper 25 TonTata Signa 2823C UK 14CA 5068	M/S IS Transport
81	T090413H	Dumper 25 TonTata Signa 2823C UK 14CA 5248	M/S IS Transport
82	T090410H	Dumper 25 TonBharat Benz 2828C UK 14CA 4314	M/S IS Transport
83	T090420H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
84	T090421H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
85	T090429H	Dumper 25 Ton Tata Signa 2823C UK14CA 5249	M/S IS Transport
86	T090430H	Dumper 25 Ton Bharat Benz 2828C UK14CA 6011	M/S IS Transport
87	T090363H	Dumper 16 TonTata 1613 HP 38F 3819	M/S Aswal
88	T090415H	Dumper 16 TonTata 2523 UK 09CA 0399	M/S THDCIL

89	T090416H	Dumper 16 TonTata 2523 UK 09CA 0593	M/S THDCIL
90	T090417H	Dumper 16 TonTata 2523 UK 09CA 0594	M/S THDCIL
91	T090419H	Dumper 16 TonTata 2518 UK 09CA 0397	M/S THDCIL
92	T090347H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5672	M/S AR Associates
93	T090381H	Dumper 25 TonAshok Leyland 2523 UK 07CB 7101	M/S AR Associates
94	T090348H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5673	M/S AR Associates
95	T090350H	Dumper 16 TonTATA 1618 UK 07CB 0585	M/S AR Associates

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List of HCC vehicles and equipment

Project: VPHEP			Aug-24
Sr. No.	Log No	Equipment Description	Remarks
1	A0500244	100 Kva Diesel Generating Set Powerica	
2	A0500277	500 Kva Diesel Generating Set Til	
3	A0500285	500 Kva Diesel Generating Set Til	
4	A0500291	500 Kva Diesel Generating Set Til	
5	A0500306	75 Kva Diesel Generating Set Powerica	
6	A0500376	75 Kva Diesel Generating Set Powerica	
7	A0500404	500 Kva Diesel Generating Set Til	
8	A0500416	30 Kva Diesel Generating Set Powerica	
9	A0500417	30 Kva Diesel Generating Set Powerica	
10	A0500426	15 Kva Diesel Generating Set Powerica	
11	A0500443	30 Kva Diesel Generating Set Sudhir	
12	A0500446	30 Kva Diesel Generating Set Sudhir	
13	A0500485	500 Kva Diesel Generating Set Til	
14	A0500520	500 Kva Diesel Generating Set Til	
15	A0500544	320 Kva Diesel Generating Set Til	
16	A0500546	40 Kva Diesel Generating Set Powerica	
17	A0500548	320 Kva Diesel Generating Set Sudhir	
18	A0500637	500 Kva Diesel Generating Set Til	
19	A0500642	500 Kva Diesel Generating Set Til	
20	A0500643	500 Kva Diesel Generating Set Til	
21	A0500653	500 KVA Diesel Generating Set TIL	
22	A0500662	500 KVA Diesel Generating Set GMMCO	
23	A0500663	320 KVA Diesel Generating Set GMMCO	
24	A0500664	500 KVA Diesel Generating Set GMMCO	
25	A0500667	2000 KVA Prime Power DG Set TIL	
26	A0500668	2000 KVA Prime Power DG Set TIL	
27	A0500669	2000 KVA Prime Power DG Set TIL	
28	A0500670	2000 KVA Prime Power DG Set TIL	
29	A0500681	1010 Kva Diesel Generating Set	
30	A0500683	1010 Kva Diesel Generating Set	
31	A0600135	1250KVA 11/0.43KV Power Trans.Crompton	
32	A0600138	250KVA 11/0.43KV Power Trans.Gec	
33	A0600155	315KVA 11/0.43KV Power Trans.Gec	
34	A0600158	500KVA 11/0.43KV Power Trans	
35	A0600194	2500KVA 11/433V Power Trans.Vivekanand	
36	A0600215	500KVA 11/0.43KV Power Trans Vivekanand	
37	A0600250	500KVA 11/0.43KV Power Trans.Vivekanand	
38	A0600254	250KVA 22/11/0.43KV Power Trans Vivekana	
39	A0600256	1600KVA 11/0.43KV Power Trans.Vivekanand	
40	A0600260	750KVA 33-11/0.43KV Power Trans Vivekana	
41	A0600263	1500KVA 11/0.43KV Power Trans.Vivekanand	
42	A0600282	1250KVA 11/0.43KV Power Trans.Stanlec	
43	A0600302	1000KVA 11/0.44KV Power Trans Vivekanand	
44	A0600304	750KVA 11/0.43KV Power Trans.Vivekanand	
45	A0600338	160 KVA Power Transformer Vivekanand	
46	A0600344	500 KVA Power Transformer Vivekanand	



Grand

47	A0600351	750 KVA Power Transformer Vivekanand	
48	A0600358	2500 KVA Power Transformer	
49	A1400002	Synchronizing Panel	
50	B0500131	Wagon Drill Atlas Copco BBC 120F	
51	B0600100	Crawler Drill Atlas Copco ROC 203	
52	B0600102	Crawler Drill Atlas Copco ROC 203	
53	B0600106	Crawler Drill Atlas Copco ROC 203	
54	B0600107	Crawler Drill Atlas Copco ROC 203	
55	B0600108	Crawler Drill Atlas Copco ROC 203	
56	B0600109	Crawler Drill Atlas Copco ROC 203	
57	B0600114	Crawler Drill Atlas Copco ROC 203	
58	B0600133	Crawler Drill Atlas Copco ROC 203	
59	B0600134	Crawler Drill Atlas Copco ROC 203	
60	B0600135	Crawler Drill Atlas Copco ROC 203	
61	B0600136	Crawler Drill Atlas Copco ROC 203	
62	B0600137	Hydraulic Crawler drill DX 700 Sandvik	
63	B0600138	Hydraulic Crawler drill DX 700 Sandvik	
64	B0600147	Crawler Drill Atlas Copco ROC 203	
65	B0600150	Crawler Drill Atlas Copco ROC 203	
66	B0600151	Crawler Drill Atlas Copco ROC 203	
67	B0600153	Crawler Drill Atlas Copco ROC 203	
68	B0600157	Crawler Drill Atlas Copco ROC 203	
69	B0600162	Crawler Drill Atlas Copco ROC 203	
70	B0600169	Crawler Drill Atlas Copco ROC 203	
71	B0600172	Hydraulic Surface drill Sandvik DQ 500	
72	B0600173	Hydraulic Surface drill ROC T20 R	
73	B0600179	Hydraulic Surface drill Sandvik DC 302 R	
74	B0600180	Hydraulic Surface drill Sandvik DC 302 R	
75	B0600181	Hydraulic Surface drill Sandvik DC 302 R	
76	B0600182	Hydraulic Surface drill Sandvik DC 302 R	
77	B0900039	Hyd.2 boom drilling Jumbo Atlascopco L2D	
78	B0900042	Hyd.2 boom drilling Jumbo Atlascopco L2D	
79	B0900052	Hyd.2 boom drilling Jumbo AXERA 8-290	
80	B0900054	Hyd.2 boom drilling Jumbo AXERA 8-290	
81	B0900058	Hyd.2 boom drilling Jumbo AXERA 8-290	
82	B0900059	Hyd.2 boom drilling Jumbo AXERA DT 820	
83	B0900061	Hyd.2 boom drilling Jumbo AXERA DT 820	
84	B0900068	Hyd.2 boom drilling Jumbo AXERA DT 820	
85	B0900069	Hyd.2 boom drilling Jumbo AXERA DT 820	
86	B0900074	Hyd.2 boom drilling Jumbo AXERA DT 820	
87	B0900075	Hyd.2 boom drilling Jumbo AXERA DT 820	
88	B0900076	Hyd.2 Boom Drilling Jumbo AXERA DT 820	
89	B0900082	Hyd.2 boom drilling Jumbo Atlascopco L2D	
90	B0900085	Hyd.2 boom drilling Jumbo DT 820	
91	B0900086	Hyd.2 boom drilling Jumbo DT 820	
92	B0900091	Hyd.2 Boom Drilling Jumbo Atlascopco 282	
93	B0900092	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
94	B0900093	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
95	B0900097	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
96	B0900109	Hyd.2 Boom Drilling Jumbo EPIROC L2D	



97	B0900110	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
98	B1200062	Hyd.Rock Breaker Atlascopco MB1200	
99	C0100123	600 cfm Ingersoll Rand Diesel Compressor	
100	C0100207	600 Cfm Atlas Copco Diesel Air Compressor	
101	C0100218	600 cfm Atlas Copco Diesel Compressor	
102	C0100232	600 cfm Atlas Copco Diesel Compressor	
103	C0100253	600 cfm Atlas Copco Diesel Compressor	
104	C0100272	600 cfm Atlas Copco Diesel Compressor	
105	C0100274	600 cfm Atlas Copco Diesel Compressor	
106	C0100280	600 cfm Atlas Copco Diesel Compressor	
107	C0100282	600 cfm Atlas Copco Diesel Compressor	
108	C0100290	600 cfm Atlascopco Diesel Compressor	
109	C0100291	600 cfm Atlascopco Diesel Compressor	
110	C0100299	300 cfm Compressor Atlascopco XA 146 HD	
111	C0100309	600 cfm Atlas copco Diesel Compressor	
112	C0200159	585 cfm Atlas Copco Electric Compressor	
113	C0200167	816 cfm Atlas Copco Belgium Gr200w Compr	
114	C0200186	587 cfm Atlas Copco Electric Compressor	
115	C0200190	572 cfm Elect.Compressor Atlascopco GA90	
116	C0200195	572 cfm Elect.Compressor Atlascopco GA90	
117	C0200204	572 cfm Elect.Compressor Atlascopco GA90	
118	C0200206	572 cfm Elect.Compressor Atlascopco GA90	
119	C0200208	572 cfm Elect.Compressor Atlascopco GA90	
120	C0200209	572 cfm Elect.Compressor Atlascopco GA90	
121	C0200210	572 cfm Elect.Compressor Atlascopco GA90	
122	C0200213	572 cfm Elect.Compressor Atlascopco GA90	
123	C0200214	572 cfm Elect.Compressor Atlascopco GA90	
124	C0200215	572 cfm Elect.Compressor Atlascopco GA90	
125	C0200216	572 cfm Elect.Compressor Atlascopco GA90	
126	C0200223	600 Cfm Compressor Atlascopco GA 90 AWP	
127	C0200224	600 Cfm Compressor Atlascopco GA 90 AWP	
128	C0200225	600 cfm Compressor Atlascopco GA 90 AWP	
129	C0200227	600 cfm Compressor Atlascopco GA 90 7.5	
130	D0100290	0.75M3 Gamzen 750RD Concrete Mixer	
131	D0100303	0.60m3 Concrete Mixer Electric PENTA 750	
132	D0300044	35 TPH Vertical Cement Screw	
133	D0400057	120 M3 Simem Wetbeton 120 Batching Plant	
134	D0400058	120 M3 Simem Wetbeton 120 Batching Plant	
135	D0400071	60M3 Schwing Stetter H 1.25 Batching Pla	
136	D0400077	25 M3 Siemem WB 25 Batching Plant	
137	D0400082	25 M3 Siemem WB 25 Batching Plant	
138	D0400084	25 M3 Siemem WB 25 Batching Plant	
139	D0500037	42 M3 HR.BP-1800 HDR D Portable Schwing	
140	D0500049	30 M3 Concrete Pump Sany Diesel	
141	D0500050	30 M3 Concrete Pump BP 350 E Greaves	
142	D0500080	30 M3 Concrete Pump Schwing BP 350E	
143	D0500082	30 M3 Concrete Pump Greaves BP 350	
144	D0500085	30 M3 Concrete Pump Schwing stetter BP	
145	D0500087	42 M3 Concrete Pump BP1800 HDR-E	
146	D0500096	30 M3 Concrete Pump S.Stetter BP 350 EXT	

147	D0500100	30 M3 Concrete Pump S.Stetter BP 350 EXT	
148	D0500117	30 M3 Concrete Pump BP 350 EXT	
149	D0500126	30 M3 Concrete Pump BP 350 EXT	
150	D0500127	30 M3 Concrete Pump BP 350 EXT	
151	D0500132	60 M3 Concrete Pump SP1800	
152	D0500133	60 M3 Concrete Pump SP1800	
153	D1100039	4M ³ Transit Mixer Shirke	
154	D1100064	6M ³ Transit Mixer Schwing Stetter	
155	D1100076	6M ³ Transit Mixer Schwing Stetter	
156	D1100079	6M ³ Transit Mixer Schwing Stetter	
157	D1100093	6M ³ Transit Mixer Shirke	
158	D1100109	6M ³ Transit Mixer Shirke	
159	D1100124	6M ³ Transit Mixer Schwing Stetter	
160	D1100125	6M ³ Transit Mixer Schwing Stetter	
161	D1100127	6M ³ Transit Mixer Schwing Stetter	
162	D1100130	6M ³ Transit Mixer Schwing Stetter	
163	D1100135	6M ³ Transit Mixer Schwing Stetter	
164	D1100170	6M ³ Transit Mixer Schwing Stetter	
165	D1100178	6M ³ Transit Mixer Schwing Stetter	
166	D1100188	6M ³ Transit Mixer Schwing Stetter	
167	D1100232	6M ³ Transit Mixer Schwing Stetter	
168	D1100233	6M ³ Transit Mixer Schwing Stetter	
169	D1100235	6M ³ Transit Mixer Schwing Stetter	
170	D1100248	6M ³ Transit Mixer Schwing Stetter	
171	D1100249	6M ³ Transit Mixer Schwing Stetter	
172	D1100267	6M ³ Transit Mixer S.Stetter AM 6SHN-RH	
173	D1100286	4M ³ Transit Mixer Sch.stetter AM4 SHN	
174	D1100289	4M ³ Transit Mixer Sch.stetter AM4 SHN	
175	D1100290	4M ³ Transit Mixer Sch.stetter AM4 SHN	
176	D1100293	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
177	D1100296	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
178	D1100329	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
179	D1100330	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
180	D1600002	Design, Engineering AND Complete Tunnel	
181	D1600018	Tunnel Form Work CIFA	
182	E0100030	1 M3 Dry Shotcrete Machine	
183	E0100046	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
184	E0100057	30 M3 Wet Shortcrete M/C With robo arm	
185	E0100062	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
186	E0100072	20 M3 Dry Shotcrete Machine	
187	E0100078	30 M3 Wet Shortcrete M/C With robo arm	
188	E0100079	5-7 M3 Wet Shotcrete Machine	
189	E0100080	30 M3 Wet Shortcrete M/C With robo arm	
190	E0100083	30 M3 Wet Shortcrete M/C With robo arm	
191	E0100094	33 M3 Wet shotcrete Pump	
192	E0100098	30 M3 Wet Shortcrete M/C With robo arm	
193	E0100099	30 M3 Wet Shortcrete M/C With robo arm	
194	E0100100	30 M3 Wet Shortcrete M/C With robo arm	
195	E0100102	30 M3 Wet Shortcrete M/C With robo arm	
196	E0100107	30 M3 Wet Shortcrete M/C With robo arm	

197	E0100108	30 M3 Wet Shortcrete M/C With robo arm	
198	E0100113	30 M3 Wet Shortcrete M/C With robo arm	
199	E0100115	20 M3 Wet Shotcrete M/C with robo arm	
200	E0100127	Wet shotcrete Machine TSR 30.14	
201	E0100128	Wet shotcrete Machine TSR 30.14	
202	E0700007	0-200 Lpm Atlas Copco Gr.System Model E2	
203	E0700008	Atlas Copco Grouting Equipment	
204	E0700036	Uni Grout E 200 100 - 12 H	
205	E0700045	Grouting Equipment Unigrout E 200 100	
206	E0700046	Mai injection Grout Pump M 400 NT	
207	E0700047	Mai Grout Pump M 400 NT	
208	E0700048	Mai Grout Pump M 400 NT	
209	E0700057	Uni Grout Pump 100-12 EH	
210	E0700066	Mai Grout Pump Atlascopco M 400 NT	
211	E0700083	Mai Grout Pump Atlascopco M 400 NT	
212	E0700105	Mai Grout Pump Atlas Copco M 400 NT	
213	E0700106	Mai Grout Pump Atlas Copco M 400 NT	
214	E0700107	Mai Grout Pump Atlas Copco M 400 NT	
215	E0700108	Mai Grout Pump Atlas Copco M 400 NT	
216	E0700109	Mai Grout Pump Atlas Copco M 400 NT	
217	E0700118	Mai Grout Pump Atlas Copco M 400 NT	
218	E0700127	Mai Grout Pump Atlas Copco M 400 NT	
219	E0700128	Mai Grout Pump Atlas Copco M 400 NT	
220	E0700129	Mai Grout Pump Atlas Copco M 400 NT	
221	E0700130	Mai Grout Pump Atlas Copco M 400 NT	
222	G0200033	15 Ton Magna Engineers E.O.T.Crane	
223	G0200052	12.50 Ton Electromech Gantry Crane	
224	G0200085	20 Ton Gantry Crane Anupam span 25 mtr	
225	G0200087	20 Ton EOT Crane Anupam span 25mtr	
226	G0200088	5 Ton EOT Crane Anupam span 25mtr.	
227	G0200092	30 Ton Gantry Crane for pressure Shaft	
228	G0200093	30 Ton Gantry Crane for pressure Shaft	
229	G0200102	5 Ton Electromech Gantry Crane Span 20M	
230	G0200109	5 Ton Gantry Crane Span 14M HuH 6m	
231	G0200114	10 Ton Electromech Gantry Crane	
232	G0200115	35 Ton Gantry Crane	
233	G0200123	D/G 30T Gantry Crane w/o Crab 30M Span	
234	G0300055	10 T@40M Shirke Potain Tower Crane	
235	G0300058	10 T@30M Shirke Potain Tower Crane	
236	G0700015	FORKLIFT	
237	G0700028	Furukawa Unic Crane URV 504 TR, MOUNTED	
238	G0700032	Articulated crane mounted on LPK1613/42	
239	G0700037	Electric Forklift GX 300E Godrej	
240	G0700038	3.50 T.Maniscopic Telehandler MT 1235 S	
241	G0700039	3.50 T.Maniscopic Telehandler MT 1235 S	
242	G0700043	3.50 T.Maniscopic Telehandler MT 1235 S	
243	G0700059	3.50 Maniscopic Telehandler MT1235S	
244	G0700062	3.50 Maniscopic Telehandler MT1235S	
245	G0700066	Articulated Crane mounted on LPT 1616/48	
246	G0700077	4T Manitou Telehandler MT-X-1440 c/w R C	

247	G0700078	Telehandler JCB 3T 5311A	
248	G0700079	Telehandler JCB 3T 5311A	
249	G1200001	Two Segment Lifter 5 Ton Scissor type	
250	H0100084	Crawler Dozer 165HP Hindustan Motors	
251	H0100109	Crawler Dozer 165HP Shanghai Peng Pu Pd	
252	H0100116	Crawler Dozer 165HP Shanghai Peng Pu Pd	
253	H0100118	Crawler Dozer 320HP Shanghai Peng Pu Pd	
254	H0100125	Crawler Dozer 104HP Komatsu D41-E-6	
255	H0100129	Crawler Dozer 180 HP D 65E-12	
256	H0400053	Back Hoe Loader JCB 4DX	
257	H0400074	Back Hoe Loader JCB 4DX	
258	H0400075	Back Hoe Loader JCB 4DX	
259	H0400076	Back Hoe Loader JCB 4DX	
260	H0500193	0.30 M3 Hydraulic Excavator JCB JS 80	
261	H0500241	0.93 M3 Hydraulic Excavator L&T PC-200-6	
262	H0500264	0.93 M3 Hydraulic Excavator L&T PC-200-6	
263	H0500265	0.93 M3 Hydraulic Excavator L&T PC-200-6	
264	H0500268	0.93 M3 Hydraulic Excavator L&T PC-200-6	
265	H0500285	2.10 M3 Hydraulic Excavator L&T PC 300-7	
266	H0500294	Zero Tail Swing Hyd Excavator VIO 20-3-P	
267	H0600045	65 Ton Crawler Crane Sumitomo SC-650-II	
268	H0600062	80 Ton Crawler Crane Fushun ACC.800	
269	H0800088	3 M3 Wheel Loader CAT 966 F Side dump	
270	H0800098	3 M3 Wheel Loader CLG 856 Side Dump	
271	H0800105	3 M3 Wheel Loader CLG 856 Side Dump	
272	H0800112	2.7 M3 Wheel Loader CLG 856 Side Dump	
273	H0800118	2.7 M3 Wheel Loader CLG 856 Side Dump	
274	H0800135	1.80 M3 F.End Loader 4322X With S.Bucket	
275	H0800147	1.80 M3 F.End Loader 4322X with S.bucket	
276	H0800154	2.7 M3 Wheel Loader CAT 950 H Side dump	
277	H0800163	2.7 M3 Wheel Loader CLG 856 BS III	
278	H0800164	2.7 M3 Wheel Loader CLG 856 BS III Side	
279	H0900065	25 Ton Mobile/Rough Terrain Crane KR25H	
280	H0900070	10 Ton Mobile/Rough Terrain Crane K-10	
281	H0900086	25 Ton Mobile Crane Kato KR 25H-V	
282	H0900094	30 Ton Hyd.Mobile Crane RT 630C	
283	H0900095	30 Ton Hyd.Mobile Crane RT 630C	
284	H0900098	30 Ton Hyd.Mobile Crane TIL RT 630	
285	H0900106	14 Ton Pick and Carry Crane F 15	
286	H0900107	14 ton Pick and Carry Crane F 15	
287	H0900116	30 Ton Hyd.Mobile Crane Escort RT 30	
288	J0100069	250 Ton Jaw Crusher Svedala Arbra1208 HD	
289	J0100086	175 TPH Jaw Crusher Nawa Engg.&Consultan	
290	J0100096	175 TPH Jaw Crusher JM 1108	
291	J0300022	250 TPH Cone Crusher Svedala Arb H-3000E	
292	J0300023	250 TPH Hyd Cone Crusher Svedala Arb H	
293	J0300026	250 TPH Cone Crusher Svedala Arb S-000EC	
294	J0300042	Cone Crusher Metso GP11F	
295	J0300051	175 TPH Hydrocone Crusher Sandvik S-3800	
296	J0500011	200 TPH Vertical Shaft Impactor Svedala	

297	J0500018	300 TPH Vertical Shaft Impactor Metso Mi	
298	J0500022	Vertical Shaft Impactor (METSO B9100 DD)	
299	J0500031	Verticle Shaft Impactor MetsoNordberg	
300	J0500035	150TPH METSO VSI Barmac B9000	
301	J0800018	200 TPH Crushing Plant	
302	J0800025	100 Ton Crushing Plant (assembled)	
303	K0100111	150 TPH Vibrating Screen Metso Minerals	
304	K0100121	300 TPH Vibrating Screen Metso Minerals	
305	K0100146	Vibrating Screen III Deck SS1233	
306	K0100147	Vibrating Screen III Deck TS- 2.30	
307	K0100155	Tripple Deck Screen RIPLFLO 48/18	
308	K0100156	Tripple Deck Screen RIPLFLO 48/18	
309	K0500047	210 TPH Svedala Vibrating Feeder	
310	K0500052	200 TPH Svedala Vibrating Feeder	
311	K0500070	200 TPH Svedala Vmot 46/12 Grizzly Feede	
312	K0500102	300 TPH Metso Minerals Vmot 46/12 Grizzl	
313	K0500128	225 TPH Vibrating Feeder-Metso Minerals	
314	K0500129	225 TPH Vibrating Feeder-Metso Minerals	
315	K0500131	225 TPH Vibrating Feeder-Metso Minerals	
316	K0500180	Grizzly Feeder GF 1246	
317	K0600008	Screw Classifier Soc, General Machine Ed	
318	K0600011	Screw Classifier AAR TECH SERVICES MEM 9	
319	K0600016	Screw Classifier Metso Minerals	
320	K1300002	Shuttle Conveyor 200 TPH Cobit Engg.	
321	K1300005	Shuttle Conveyor 200 TPH Cobit Engg.	
322	L0100026	36 MM P 36 Bar Bending Machine Icaro	
323	L0200062	55 MM Dia Bar Cutting Machine Icaro C-55	
324	L0200080	42 MM Bar Cutting Machine Icaro C-42	
325	M0100100	1 M. MYSORE KIRLOSKAR ENTERPRISE 400 LAT	
326	M0100135	Lathe Machine Atlas Super cut bed 16'	
327	M0200096	32 MM Radial Drilling Machine MAG-3	
328	M0500029	630 MM Shaping Machine Parksons Engg	
329	P0101397	75 HP; 900 LPM @ 200 M HEAD KIRLOSKAR PU	
330	P0101717	90 KW Centrifugal Pump M&P 150/200GST	
331	P0101735	20 HP Centrifugal pump PN 17, M & Platt	
332	P0101736	20 HP Centrifugal pump PN 17, M & Platt	
333	P0101737	20 HP Centrifugal pump PN 17, M & Platt	
334	P0101738	20 HP Centrifugal pump PN 17, M & Platt	
335	P0101739	20 HP Centrifugal pump PN 17, M & Platt	
336	P0101740	20 HP Centrifugal pump PN 17, M & Platt	
337	P0101741	20 HP Centrifugal pump PN 17, M & Platt	
338	P0101745	90 KW Centrifugal Pump M&P 150/200GST	
339	P0200151	75.50 HP Well Point Pump Diesel driven	
340	P0200152	75.50 HP Well Point Pump Diesel driven	
341	P0200153	75.50 HP Well Point Pump Diesel driven	
342	P0200154	75.50 HP Well Point Pump Diesel driven	
343	P0900667	25 HP; 3750 LPM @ 20 M HEAD MODY SUBMERS	
344	P0900826	50 HP Submersible Pump HD 50 H Hitec	
345	P0900858	25 HP Submersible Pump G 802T, Mody make	
346	P0900877	50 HP Submersible Pump HD 50H Hitec	



347	P0900886	35 HP Submersible Pump Hitec HD 35 H	
348	P0900887	35 HP Submersible Pump Hitec HD 35 H	
349	P0900888	35 HP Submersible Pump Hitec HD 35 H	
350	P0900889	35 HP Submersible Pump Hitec HD 35 H	
351	P0900890	35 HP Submersible Pump Hitec HD 35 H	
352	P0900892	35 HP Submersible Pump Hitec HD 35 H	
353	P0900907	50 HP Submersible Pump Hitec HD 50 H	
354	P0900909	50 HP Submersible Pump Hitec HD 50 H	
355	P0900910	35 HP Submersible Pump Hitec HD 35 H	
356	P0900911	35 HP Submersible Pump Hitec HD 35 H	
357	P0900912	35 HP Submersible Pump Hitec HD 35 H	
358	P0900913	35 HP Submersible Pump Hitec HD 35 H	
359	P0900917	35 HP Submersible Pump Hitec HD 35 H	
360	P0900932	35 HP Submersible Pump HD35H	
361	P0900933	35 HP Submersible Pump HD35H	
362	P0900934	35 HP Submersible Pump HD35H	
363	P0900935	35 HP Submersible Pump HD35H	
364	P0900936	35 HP Submersible Pump HD35H	
365	P0900937	75HP submersible Pump HD 75	
366	P0900938	75HP submersible Pump HD 75	
367	P0900962	35 HP Submersible Pump HD35H	
368	P0900963	35 HP Submersible Pump HD35H	
369	P0900964	35 HP Submersible Pump HD35H	
370	P0900965	75HP submersible Pump HD 75	
371	P0900966	75HP submersible Pump HD 75	
372	P0900967	75HP submersible Pump HD 75	
373	P0900968	75HP submersible Pump HD 75	
374	P0900969	75HP submersible Pump HD 75	
375	P0900988	35 HP Submersible Pump HD35H	
376	P0900991	35 HP Submersible Pump HD35H	
377	P0900992	35 HP Submersible Pump HD35H	
378	P0901001	35 HP Submersible Pump HD35H	
379	P0901002	35 HP Submersible Pump HD35H	
380	P0901004	50HP Submersible Pump HD50H	
381	P0901005	50HP Submersible Pump HD50H	
382	P0901009	50HP Submersible Pump HD50H	
383	P0901015	35 HP Submersible Pump HD35H	
384	P0901016	35 HP Submersible Pump HD35H	
385	Q0500100	10 Ton Vibratory Com.Greaves Bomag BW212	
386	Q0500104	10 Ton Vibratory Com.Greaves Bomag BW212	
387	R0100074	200 TR Chilling Plant Eu Industrial	
388	R0100077	160 TR Chilling Plant Eu Industrial	
389	R0100104	50 TR Chilled Water Plant EU	
390	R0100107	20 TPD Ice Plant Geoflair Greentech	
391	R0100108	20 TPD ice Plant Geoflair Greentech	
392	R0100109	20 TPD Ice Plant Geoflair Greentech	
393	R0300116	75 KW x 2 Ventilation fan Zitron	
394	R0300124	75 KW Ventilation fan Zitron ZVN 1-14-75	
395	R0300144	75 KW Ventilation fan Zitron ZVN 1-16-75	
396	R0300152	132 KW Ventilation Fan Zitron	

397	R0300163	75 KW Ventilation fan Zitron ZVN 1-16-75	
398	R0300169	75 KW Ventilation fan Zitron ZVN 1-14-75	
399	R0300176	75 KW Ventilation fan Zitron ZVN 1-16-75	
400	R0300183	250 KW Ventilation fan Zitron ZVN 1-18	
401	R0300184	250 KW Ventilation fan Zitron ZVN 1-18	
402	R0300185	250 KW Ventilation fan Zitron ZVN 1-18	
403	R0300187	250 KW Ventilation fan Zitron ZVN 1-18	
404	R0300192	250 KW Ventilation fan Zitron ZVN 1-18	
405	R0300193	250 KW Ventilation fan Zitron ZVN 1-18	
406	R0300194	250 KW Ventilation fan Zitron ZVN 1-18	
407	R0300198	355 KW Ventilation fan ZVN-1-18-355/4	
408	R0300200	250 KW Ventilation fan Zitron	
409	R0300208	250 KW Ventilation fan ZVN-1-18-250/4	
410	R0300209	250 KW Ventilation fan ZVN-1-18-250/4	
411	R0300217	132KW Ventilation Fan ZVN-16-132/4	
412	R0300218	132 KW Ventilation Fan ZVN -16-132/4	
413	R0300221	132 KW Ventilation Fan ZVN -16-132/4	
414	R0300228	75 KW Ventilation fan gEL9-75/2	
415	R0300240	355 KW Ventilation fan ZVN-1-18-355/4	
416	R0300241	355 KW Ventilation fan ZVN-1-18-355/4	
417	R0300242	75 KW Ventilation fan gEL9-75/2	
418	R0300250	355 KW Ventilation fan ZVN-1-18-355/4	
419	R0300251	355 KW Ventilation fan ZVN-1-18-355/4	
420	S0700128	Auto Compressor 34.1 cfm Elgi	
421	S1700015	Mobile Service Container	
422	S1700024	Maintenenance Container(MSU)on 1613/42	
423	S1700030	Service Container for Boomer	
424	S2900005	12 HP Jet Cleaning Machine	
425	T0100575	Tata Chassis SE1613/42 Jet Cleaning Mach	
426	T0100589	Tata Chassis LPT 1613/42 Diesel Tanker	
427	T0100596	Tata Chassis LPK2516/38TC Transit Mixer	
428	T0100615	Tata Chassis LPK2516/38TC Transit Mixer	
429	T0100648	Tata Chassis LPK2516/38TC Transit Mixer	
430	T0100649	Tata Chassis LPK2516/38TC Transit Mixer	
431	T0100650	Tata Chassis LPK2516/38TC Transit Mixer	
432	T0100659	Tata Chassis LPK2516/38TC Transit Mixer	
433	T0100687	Tata Chassis SE1613/48 Mobile Service Un	
434	T0100724	Tata Chassis LPK2516/38TC Transit Mixer	
435	T0100731	Tata Chassis LPT1613/48TC Flat Bed Truck	
436	T0100757	Tata Chassis LPK2516/38TC Transit Mixer	
437	T0100758	Tata Chassis LPT1613/48Mobile Service Un	
438	T0100783	Tata Chassis LPT1613/42 Water Tanker	
439	T0100790	Tata Chassis for Truck mounted Crane	
440	T0100816	Tata Chassis LPK2516/38TC Transit Mixer	
441	T0100828	Tata Chassis LPT1613/48TC Flat Bed Truck	
442	T0100856	Ashok Leyland Chassis 2516H/4C Taurus	
443	T0100862	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
444	T0100864	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
445	T0100884	Tata Chassis LPT1613/42TC Scisor Lift	
446	T0100887	Tata Chassis LPT1613/42TC Scisor Lift	

447	T0100910	Tata Chassis LPK2516/38TC Transit Mixer	
448	T0100922	Tata Chassis LPK2516TC/38 Transit Mixer	
449	T0100923	Tata Chassis LPK2516TC/38 Transit Mixer	
450	T0100926	Tata chassis LPT1613/42Diesel bowser mou	
451	T0100927	Tata Chassis LPT1613/42 Water Tanker	
452	T0100928	Tata Chassis LPT1613/42 Water Tanker Mou	
453	T0100929	Tata Chassis LPT1613/48TC Flat Bed Truck	
454	T0100932	Tata LPT1613/42 ch.for HAIB articu.crane	
455	T0100939	Tata chassis LPT1613/42Diesel bowser	
456	T0100941	Tata ch. LPT 1613/42 for Scissor Lift	
457	T0100956	Tata chassis LPT 1613/42 for S. lift	
458	T0100961	Tata Chassis LPK 2516TC/38 for T.Mixer	
459	T0100993	Tata ch. SE 1613TC/42 for Transit Mixer	
460	T0101013	Tata LPT 1613/48 Flat bed Truck	
461	T0101014	Tata LPT 1613TC/42 for Diesel Refueller	
462	T0101015	Tata LPT 1616/42 Chassis for S.Lift	
463	T0101017	Tata LPK2518 Chassis for Transit Mixer	
464	T0101018	Tata LPK2518 Chassis for Transit Mixer	
465	T0101020	Tata LPT 1616/42 Chassis for W.Tanker	
466	T0101022	Tata LPT 1616/42 Chassis for W.Tanker	
467	T0101033	Tata LPT 1616/48 Truck (CLB)	
468	T0101041	Tata LPT 1616/48 for Articulated Crane	
469	T0101042	Tata LPT 1616/48 Truck (CLB)	
470	T0101043	Tata ch.SE 1613TC/42 for Transit Mixer	
471	T0101052	Tata ch.SE 1613TC/42 for Transit Mixer	
472	T0101064	Tata LPK2518 Chassis for Transit Mixer	
473	T0101065	Tata LPK2518 Chassis for Transit Mixer	
474	T0101066	Tata LPK2518 Chassis for Transit Mixer	
475	T0101067	Tata LPK2518 Chassis for Transit Mixer	
476	T0101091	Tata LPK2518 Chassis for Transit Mixer	
477	T0101092	Tata LPK2518 Chassis for Transit Mixer	
478	T0200140	Pulling Unit Tata LPS 4018	
479	T0300174	25 Ton Trailer Semi Low Bed Satrac	
480	T0400110	28 Ton Tatra Trucks Hemang Dumper	
481	T0400111	28 Ton Tatra Trucks Hemang Dumper	
482	T0400112	28 Ton Tatra Trucks Hemang Dumper	
483	T0500126	SWARAJ MAZDA 32 SEATER MINI BUS	
484	T0500191	AMBULANCE 2 STRECHER	
485	T0500220	TATA LP 709/38 STAR BUS 32	
486	T0500265	MINI TRUCK Tata 407/34	
487	T0500320	Ambulance van 4 WD Swaraj Mazda	
488	T0500322	Tata Mini truck SCF 407/31	
489	T0500326	AMBULANCE Tata Winger	
490	T0500352	Tata Mobile 207 DI RX (Diesel Bouser)	
491	T0500361	Tata Mobile 207 DI RX (Diesel Bouser)	
492	T0600368	TOYOTA INNOVA -V	
493	T0600369	TOYOTA INNOVA -V	
494	T0600402	Scorpio Mahindra SLX 4WD	
495	T0600407	Tata Safari Dicor 2.2 VTT 4x4	
496	T0600425	Scorpio Mahindra MHawk VLX 4 WD	

497	T0800116	Diesel Locomotive 25 Ton	
498	T0800117	Diesel Locomotive 25 Ton	
499	T0900903	16 Ton Tata Hyva Dumper LPK2516 TC/38	
500	T0900907	16 Ton Tata Hyva Dumper LPK2516 TC/38	
501	T0900926	16 Ton Tata Hyva Dumper LPK2516 TC/38	
502	T0900935	16 Ton Tata Hyva Dumper LPK2516 TC/38	
503	T0900958	16 Ton Tata Hyva Dumper LPK2516 TC/38	
504	T0900960	16 Ton Tata Hyva Dumper LPK2516 TC/38	
505	T0900961	16 Ton Tata Hyva Dumper LPK2516 TC/38	
506	T0900963	16 Ton Tata Hyva Dumper LPK2516 TC/38	
507	T0900971	16 Ton Tata Hyva Dumper LPK2516 TC/38	
508	T0900976	16 Ton Tata Hyva Dumper LPK2516 TC/38	
509	T0900978	16 Ton Tata Hyva Dumper LPK2516 TC/38	
510	T0900979	16 Ton Tata Hyva Dumper LPK2516 TC/38	
511	T0901085	9 Ton Tata Tipper SK1613TC36	
512	T0901091	16 Ton Tata Hyva Tipper LPK2516TC38	
513	T0901093	16 Ton Tata Hyva Tipper LPK2516TC38	
514	T0901189	9 Ton Tata Tipper SK1613TC36	
515	T0901345	9 Ton Tata Tipper SK1613TC36	
516	T0901346	9 Ton Tata Tipper SK1613TC36	
517	T0901408	30Ton Volvo Tipper FM400 With Rock Body	
518	T0901416	30Ton Volvo Tipper FM400 With Rock Body	
519	T0901418	25 ton Volvo Tipper Rock body 14 cum	
520	T0901422	25 ton Volvo Tipper Rock body 14 cum	
521	T0901423	25 ton Volvo Tipper Rock body 14 cum	
522	T0901432	25 ton Volvo Tipper Rock body 14 cum	
523	T0901436	25 ton Volvo Tipper Rock body 14 cum	
524	T0901437	25 ton Volvo Tipper Rock body 14 cum	
525	T0901438	25 ton Volvo Tipper Rock body 14 cum	
526	T0901468	16 Ton Hyva dumper Tata LPK 2518 TC	
527	T0901470	16 Ton Hyva dumper Tata LPK 2518 TC	
528	T0901480	16 Ton Hyva dumper Tata LPK 2518 TC	
529	T0901481	16 Ton Hyva dumper Tata LPK 2518 TC	
530	T0901482	16 Ton Hyva dumper Tata LPK 2518 TC	
531	T0901494	16 Ton Hyva dumper Tata LPK 2518 TC	
532	T0901495	16 Ton Hyva dumper Tata LPK 2518 TC	
533	T0901506	16 Ton Box Tipper LPK 2523 TC 6x4	
534	T0901507	16 Ton Box Tipper LPK 2523 TC 6x4	
535	T0901508	16 Ton Box Tipper LPK 2523 TC 6x4	
536	T0901509	16 Ton Box Tipper LPK 2523 TC 6x4	
537	T0901511	16 Ton Box Tipper LPK 2523 TC 6x4	
538	T0901512	16 Ton Box Tipper LPK 2523 TC 6x4	
539	T0901515	16 Ton Rock Body Scoop Tipper LPK2518	
540	T0901516	16 Ton Rock Body Scoop Tipper LPK2518	
541	T0901521	16 Ton Rock Body Scoop Tipper LPK2518	
542	T0901522	16 Ton Rock Body Scoop Tipper LPK2518	
543	T0901533	16 Ton Box Tipper LPK 2523 TC/38 6x4	
544	T0901534	16 Ton Box Tipper LPK 2523 TC/38 6x4	
545	T0901535	10Ton Tata LPK 1618/36 Scoop type Tipper	
546	T0901540	10Ton Tata LPK 1618/36 Scoop type Tipper	

547	T0901559	16 Ton Bharat Benz Dumper 2528CH 6x4	
548	T0901560	16 Ton Bharat Benz Dumper 2528CH 6x4	
549	T0901561	16 Ton Bharat Benz Dumper 2828CH 6x4	
550	V0300082	EPABX (SIEMENS HIPATH 1150)	
551	V1600174	TOTAL STATION	
552	V1800022	1 Sec. Tunnel Profiler TCRA 1201 R 400	
553	W0100231	400 AMP Diesel Welding Set Esab EDW 400	
554	W0100233	400 AMP Diesel Welding Set Esab EDW 400	
555	W0100234	400 AMP Diesel Welding Set Esab EDW 400	
556	W0200193	320 AMP Welding Motor Gen.Advani Orlikon	
557	W0200194	320 AMP Welding Generator Advani Orlikon	
558	W0200222	320 AMP Welding Generator Ador Orlikon	
559	W0200225	320 AMP Welding Generator Ador Orlikon	
560	W0400184	400 AMP Welding Rectifiers Advani Orliko	
561	W0400186	400 AMP Welding Rectifiers Advani Orliko	
562	X0500003	2500 KG. MAX. STATIC LOAD BORETEC STH-5L	
563	X0500004	2500 KG. STATIC LOAD BORETEC STH-5LS RAI	
564	X0600034	100 T Electroni Mobile Weig Essae TM-950	
565	X0600048	150 T Weigh Bridge Electronic Sartorius	
566	X0600054	150 Ton Satorius Weigh Bridge	
567	X0600083	100T Weigh Bridge Avery	
568	X1600009	Tunnel Boring M/C TERRATEC T-45 9.86M	
569	X1700003	Steam Boiler make Fuelpac FWH -400	
570	X1700005	Boiler make Fuel Pac FWH - 400	
571	X1700006	Boiler make Fuel Pac FWH - 400	
572	X2000002	Waste Water Treatment Plant 1 MLD	



List of Hired Equipment with Working Hrs.

Project: VPHEP			Month: August 2024
Sr. No.	Log No.	Equipment Description	Name of Hiring Agency
Power house			
1	H040052H	JCB 3DX UK14CA1299	M/S Gairola Enterprises
2	H050212H	Excavator with breaker JCB-205	M/S IS Transport
3	H050233H	Excavator with breaker TATA HITACHI-200	M/S IS Transport
4	H050244H	Excavator JCB-205	M/S IS Transport
5	H050210H	Excavator with breaker Hyundai-150	M/S IS Transport
6	H050249H	Excavator JCB-205	M/S Gairola developers
7	H050194H	Excavator JCB-140	M/S Gairola developers
8	H050095H	Excavator TATA EX-70	M/S IS Transport
9	H050096H	Excavator PC-200	M/S Jai Bhaironath
10	H050252H	Excavator Hyundai 215	M/S Jai Bhaironath
11	H050112H	Excavator with breaker Hyundai 215	M/S IS Transport
12	H050234H	Excavator with breaker JCB-215	M/S IS Transport
13	H050169H	Excavator JCB 205	M/S Arvind Hatwal
14	H050186H	Excavator JS 150	M/S IS Transport
15	H050251H	Excavator JS-215	M/S IS Transport
16	H050261H	Excavator with breaker Tata Jaxis-140	M/S IS Transport
17	H050239H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
18	H050242H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
19	T010074H	Water Tanker Mahindra Di UK11CA1022	M/S Anita Devi
20	T090117H	Dumper 16 Ton LPK1618 TC UK11CA1347	M/S Jai Bhaironath
21	T090118H	Dumper 16 Ton LPK1618 TC UK11CA1324	M/S Jai Bhaironath
22	T090119H	Dumper 16 Ton LPK1618 TC UK11CA3737	M/S Jai Bhaironath
23	T090316H	Dumper 25 Ton Bharat Banz 2523C UK14CA4355	M/S Jai Bhaironath
24	T090317H	Dumper 25 Ton Bharat Banz 2523C UK14CA4356	M/S Jai Bhaironath
25	T090334H	Dumper 25 Ton Bharat Banz 2523C UK14CA4512	M/S Jai Bhaironath

26	T090333H	Dumper 25 TonBharat Banz 2523C UK14CA4516	M/S Jai Bhaironath
27	T090331H	Dumper 25 TonBharat Banz 2523C UK14CA4515	M/S Jai Bhaironath
28	T090332H	Dumper 25 TonBharat Banz 2523C UK14CA4514	M/S Jai Bhaironath
29	T090336H	Dumper 25 TonBharat Banz 2523C UK14CA4630	M/S Jai Bhaironath
30	T090337H	Dumper 25 TonBharat Banz 2523C UK14CA4631	M/S Jai Bhaironath
31	T090362H	Dumper 25 TonTata Signa 2825K UK14CA5577	M/S Aswal
32	T090398H	Dumper 25 TonTata Signa 2825K UK14CA9595	M/S Aswal
33	T090414H	Dumper 25 TonTata Signa 2823 C UK 14CA 9925	M/S Shivalik Construction
34	T090418H	Dumper 25 TonMahindra Blazo 2828 UK14CA4143	M/S Shivalik Construction
35	T090431H	Dumper 25 TonAMW 2523 TP UK07C1050	M/S Shivalik Construction
36	T090432H	Dumper 25 TonMahindra 2515 HR55U 4517	M/S Shivalik Construction
37	T090433H	Dumper 25 Ton, Tata LPK 2518 UK08CA9783	M/S Shivalik Construction
38	T090434H	Dumper 25 Ton, Mahindra Blazo 2828, UK14CA4303	M/S Shivalik Construction
39	T090299H	Dumper 25 TonBharat Banz 2523C UK14CA2037	M/S IS Transport
40	T090124H	Dumper 25 TonAshok Leyland 2523 UK14CA4604	M/S IS Transport
41	T090411H	Dumper 25 TonTata Signa 2823 C UK14CA5057	M/S IS Transport
42	T090233H	Dumper 16 TonLPK1618 TC UK09CA1012	M/S Arvind Hatwal
43	T090234H	Dumper 16 TonLPK1618 TC UK09CA1014	M/S Arvind Hatwal
DAM			
44	H050097H	ExcavatorTATA PC-200	M/S IS Transport
45	H050098H	ExcavatorHyundai - PC 350	M/S IS Transport
46	H050100H	ExcavatorPC-215	M/S IS Transport
47	H050092H	ExcavatorPC-215	M/S IS Transport

48	H050107H	ExcavatorPC-300	M/S IS Transport
49	H050213H	ExcavatorPC-300	M/S IS Transport
50	H050214H	ExcavatorTata PC-200	M/S IS Transport
51	H050248H	Excavator with breaker Hyundai-215L	M/S Suraj Sailani
52	H050235H	Excavator with breaker Tata 210	M/S AR Associates
53	H090112H	Hydra Crane Hydra 14T UK 14F 5183	M/S AB Infratech
54	T010120H	6 M3 Transit Mixer TATA 2823 UK14CA4332	M/S IS Transport
55	T010101H	6 M3 Transit MixerAL-2518 UK14-CA-3781	M/S IS Transport
56	T010100H	6 M3 Transit MixerAL-2518 UK14-CA-3780	M/S IS Transport
57	T010121H	6 M3 Transit MixerTATA 2823 UK14-CA-4335	M/S IS Transport
58	T010122H	6 M3 Transit MixerTATA 2823 UK14-CA-4367	M/S IS Transport
59	T010123H	6 M3 Transit MixerTATA 2823 UK 14CA 4368	M/S IS Transport
60	T090114H	Dumper 16 TonTATA 1618 UK 11CA 0640	M/S Sanjeev Kumar
61	T090322H	Dumper 16 TonTATA 1618 UK 11CA 1740	M/S Sanjeev Kumar
62	T090298H	Dumper 16 TonTATA 1618 UK11CA 1640	M/S Vijay Ram
63	T090364H	Dumper 16 TonTATA 1618 UK11CA 1840	M/S Vijay Ram
64	T090277H	Dumper 25 TonAshok Leyland 2523 UK04CA 6761	M/S S S Bisht
65	T090359H	Dumper 16 TonTATA 1618 UK11CA1993	M/S Deepa Devi
66	T090358H	Dumper 16 TonTATA 1618 UK11CA0993	M/S Deepa Devi
67	T090379H	Dumper 16 TonTATA 1618 UK 11CA 8931	M/S Suraj Sailani
68	T090300H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3361	M/S IS Transport
69	T090315H	Dumper 25 TonBharat Banz 2523C UK14CA4334	M/S IS Transport
70	T090326H	Dumper 25 TonAshok Leyland 2523 UK14CA4389	M/S IS Transport
71	T090327H	Dumper 25 TonAshok Leyland 2523 UK14CA4390	M/S IS Transport



72	T090125H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2979	M/S IS Transport
73	T090130H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3360	M/S IS Transport
74	T090314H	Dumper 25 TonBharat Banz 2523C UK 14CA 4331	M/S IS Transport
75	T090131H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2980	M/S IS Transport
76	T090167H	Dumper 25 TonBharat Banz 2523C UK 14CA 2214	M/S IS Transport
77	T090357H	Dumper 25 TonBharat Banz 2523C UK14CA 3089	M/S IS Transport
78	T090360H	Dumper 25 TonBharat Banz 2523C UK 14CA 3061	M/S IS Transport
79	T090361H	Dumper 25 TonBharat Banz 2523C UK 14CA 2980	M/S IS Transport
80	T090412H	Dumper 25 TonTata Signa 2823C UK 14CA 5068	M/S IS Transport
81	T090413H	Dumper 25 TonTata Signa 2823C UK 14CA 5248	M/S IS Transport
82	T090410H	Dumper 25 TonBharat Benz 2828C UK 14CA 4314	M/S IS Transport
83	T090420H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
84	T090421H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
85	T090429H	Dumper 25 Ton Tata Signa 2823C UK14CA 5249	M/S IS Transport
86	T090430H	Dumper 25 Ton Bharat Benz 2828C UK14CA 6011	M/S IS Transport
87	T090363H	Dumper 16 TonTata 1613 HP 38F 3819	M/S Aswal
88	T090415H	Dumper 16 TonTata 2523 UK 09CA 0399	M/S THDCIL
89	T090416H	Dumper 16 TonTata 2523 UK 09CA 0593	M/S THDCIL
90	T090417H	Dumper 16 TonTata 2523 UK 09CA 0594	M/S THDCIL
91	T090419H	Dumper 16 TonTata 2518 UK 09CA 0397	M/S THDCIL



92	T090347H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5672	M/S AR Associates
93	T090381H	Dumper 25 TonAshok Leyland 2523 UK 07CB 7101	M/S AR Associates
94	T090348H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5673	M/S AR Associates
95	T090350H	Dumper 16 TonTATA 1618 UK 07CB 0585	M/S AR Associates

Lyons



List of HCC vehicles and equipment

Project: VPHEP			Sep-24
Sr. No.	Log No	Equipment Description	Remarks
1	A0500244	100 Kva Diesel Generating Set Powerica	
2	A0500277	500 Kva Diesel Generating Set Til	
3	A0500285	500 Kva Diesel Generating Set Til	
4	A0500291	500 Kva Diesel Generating Set Til	
5	A0500306	75 Kva Diesel Generating Set Powerica	
6	A0500376	75 Kva Diesel Generating Set Powerica	
7	A0500404	500 Kva Diesel Generating Set Til	
8	A0500416	30 Kva Diesel Generating Set Powerica	
9	A0500417	30 Kva Diesel Generating Set Powerica	
10	A0500426	15 Kva Diesel Generating Set Powerica	
11	A0500443	30 Kva Diesel Generating Set Sudhir	
12	A0500446	30 Kva Diesel Generating Set Sudhir	
13	A0500485	500 Kva Diesel Generating Set Til	
14	A0500520	500 Kva Diesel Generating Set Til	
15	A0500544	320 Kva Diesel Generating Set Til	
16	A0500546	40 Kva Diesel Generating Set Powerica	
17	A0500548	320 Kva Diesel Generating Set Sudhir	
18	A0500637	500 Kva Diesel Generating Set Til	
19	A0500642	500 Kva Diesel Generating Set Til	
20	A0500643	500 Kva Diesel Generating Set Til	
21	A0500653	500 KVA Diesel Generating Set TIL	
22	A0500662	500 KVA Diesel Generating Set GMMCO	
23	A0500663	320 KVA Diesel Generating Set GMMCO	
24	A0500664	500 KVA Diesel Generating Set GMMCO	
25	A0500667	2000 KVA Prime Power DG Set TIL	
26	A0500668	2000 KVA Prime Power DG Set TIL	
27	A0500669	2000 KVA Prime Power DG Set TIL	
28	A0500670	2000 KVA Prime Power DG Set TIL	
29	A0500681	1010 Kva Diesel Generating Set	
30	A0500683	1010 Kva Diesel Generating Set	
31	A0600135	1250KVA 11/0.43KV Power Trans.Crompton	
32	A0600138	250KVA 11/0.43KV Power Trans.Gec	
33	A0600155	315KVA 11/0.43KV Power Trans.Gec	
34	A0600158	500KVA 11/0.43KV Power Trans	
35	A0600194	2500KVA 11/433V Power Trans.Vivekanand	
36	A0600215	500KVA 11/0.43KV Power Trans.Vivekanand	
37	A0600250	500KVA 11/0.43KV Power Trans.Vivekanand	
38	A0600254	250KVA 22/11/0.43KV Power Trans Vivekana	
39	A0600256	1600KVA 11/0.43KV Power Trans.Vivekanand	
40	A0600260	750KVA 33-11/0.43KV Power Trans Vivekana	
41	A0600263	1500KVA 11/0.43KV Power Trans.Vivekanand	
42	A0600282	1250KVA 11/0.43KV Power Trans.Stanlec	
43	A0600302	1000KVA 11/0.44KV Power Trans Vivekanand	
44	A0600304	750KVA 11/0.43KV Power Trans.Vivekanand	
45	A0600338	160 KVA Power Transformer Vivekanand	
46	A0600344	500 KVA Power Transformer Vivekanand	

47	A0600351	750 KVA Power Transformer Vivekanand	
48	A0600358	2500 KVA Power Transformer	
49	A1400002	Synchronizing Panel	
50	B0500131	Wagon Drill Atlas Copco BBC 120F	
51	B0600100	Crawler Drill Atlas Copco ROC 203	
52	B0600102	Crawler Drill Atlas Copco ROC 203	
53	B0600106	Crawler Drill Atlas Copco ROC 203	
54	B0600107	Crawler Drill Atlas Copco ROC 203	
55	B0600108	Crawler Drill Atlas Copco ROC 203	
56	B0600109	Crawler Drill Atlas Copco ROC 203	
57	B0600114	Crawler Drill Atlas Copco ROC 203	
58	B0600133	Crawler Drill Atlas Copco ROC 203	
59	B0600134	Crawler Drill Atlas Copco ROC 203	
60	B0600135	Crawler Drill Atlas Copco ROC 203	
61	B0600136	Crawler Drill Atlas Copco ROC 203	
62	B0600137	Hydraulic Crawler drill DX 700 Sandvik	
63	B0600138	Hydraulic Crawler drill DX 700 Sandvik	
64	B0600147	Crawler Drill Atlas Copco ROC 203	
65	B0600150	Crawler Drill Atlas Copco ROC 203	
66	B0600151	Crawler Drill Atlas Copco ROC 203	
67	B0600153	Crawler Drill Atlas Copco ROC 203	
68	B0600157	Crawler Drill Atlas Copco ROC 203	
69	B0600162	Crawler Drill Atlas Copco ROC 203	
70	B0600169	Crawler Drill Atlas Copco ROC 203	
71	B0600172	Hydraulic Surface drill Sandvik DQ 500	
72	B0600173	Hydraulic Surface drill ROC T20 R	
73	B0600179	Hydraulic Surface drill Sandvik DC 302 R	
74	B0600180	Hydraulic Surface drill Sandvik DC 302 R	
75	B0600181	Hydraulic Surface drill Sandvik DC 302 R	
76	B0600182	Hydraulic Surface drill Sandvik DC 302 R	
77	B0900039	Hyd.2 boom drilling Jumbo Atlascopco L2D	
78	B0900042	Hyd.2 boom drilling Jumbo Atlascopco L2D	
79	B0900052	Hyd.2 boom drilling Jumbo AXERA 8-290	
80	B0900054	Hyd.2 boom drilling Jumbo AXERA 8-290	
81	B0900058	Hyd.2 boom drilling Jumbo AXERA 8-290	
82	B0900059	Hyd.2 boom drilling Jumbo AXERA DT 820	
83	B0900061	Hyd.2 boom drilling Jumbo AXERA DT 820	
84	B0900068	Hyd.2 boom drilling Jumbo AXERA DT 820	
85	B0900069	Hyd.2 boom drilling Jumbo AXERA DT 820	
86	B0900074	Hyd.2 boom drilling Jumbo AXERA DT 820	
87	B0900075	Hyd.2 boom drilling Jumbo AXERA DT 820	
88	B0900076	Hyd.2 Boom Drilling Jumbo AXERA DT 820	
89	B0900082	Hyd.2 boom drilling Jumbo Atlascopco L2D	
90	B0900085	Hyd.2 boom drilling Jumbo DT 820	
91	B0900086	Hyd.2 boom drilling Jumbo DT 820	
92	B0900091	Hyd.2 Boom Drilling Jumbo Atlascopco 282	
93	B0900092	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
94	B0900093	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
95	B0900097	Hyd.2 Boom Drilling Jumbo Atlascopco L2D	
96	B0900109	Hyd.2 Boom Drilling Jumbo EPIROC L2D	



97	B0900110	Hyd.2 Boom Drilling Jumbo EPIROC L2D	
98	B1200062	Hyd.Rock Breaker Atlascopco MB1200	
99	C0100123	600 cfm Ingersoll Rand Diesel Compressor	
100	C0100207	600 Cfm Atlas Copco Diesel Air Compressor	
101	C0100218	600 cfm Atlas Copco Diesel Compressor	
102	C0100232	600 cfm Atlas Copco Diesel Compressor	
103	C0100253	600 cfm Atlas Copco Diesel Compressor	
104	C0100272	600 cfm Atlas Copco Diesel Compressor	
105	C0100274	600 cfm Atlas Copco Diesel Compressor	
106	C0100280	600 cfm Atlas Copco Diesel Compressor	
107	C0100282	600 cfm Atlas Copco Diesel Compressor	
108	C0100290	600 cfm Atlascopco Diesel Compressor	
109	C0100291	600 cfm Atlascopco Diesel Compressor	
110	C0100299	300 cfm Compressor Atlascopco XA 146 HD	
111	C0100309	600 cfm Atlas copco Diesel Compressor	
112	C0200159	585 cfm Atlas Copco Electric Compressor	
113	C0200167	816 cfm Atlas Copco Belgium Gr200w Compr	
114	C0200186	587 cfm Atlas Copco Electric Compressor	
115	C0200190	572 cfm Elect.Compressor Atlascopco GA90	
116	C0200195	572 cfm Elect.Compressor Atlascopco GA90	
117	C0200204	572 cfm Elect.Compressor Atlascopco GA90	
118	C0200206	572 cfm Elect.Compressor Atlascopco GA90	
119	C0200208	572 cfm Elect.Compressor Atlascopco GA90	
120	C0200209	572 cfm Elect.Compressor Atlascopco GA90	
121	C0200210	572 cfm Elect.Compressor Atlascopco GA90	
122	C0200213	572 cfm Elect.Compressor Atlascopco GA90	
123	C0200214	572 cfm Elect.Compressor Atlascopco GA90	
124	C0200215	572 cfm Elect.Compressor Atlascopco GA90	
125	C0200216	572 cfm Elect.Compressor Atlascopco GA90	
126	C0200223	600 Cfm Compressor Atlascopco GA 90 AWP	
127	C0200224	600 Cfm Compressor Atlascopco GA 90 AWP	
128	C0200225	600 cfm Compressor Atlascopco GA 90 AWP	
129	C0200227	600 cfm Compressor Atlascopco GA 90 7.5	
130	D0100290	0.75M3 Gamzen 750RD Concrete Mixer	
131	D0100303	0.60m3 Concrete Mixer Electric PENTA 750	
132	D0300044	35 TPH Vertical Cement Screw	
133	D0400057	120 M3 Simem Wetbeton 120 Batching Plant	
134	D0400058	120 M3 Simem Wetbeton 120 Batching Plant	
135	D0400071	60M3 Schwing Stetter H 1.25 Batching Pla	
136	D0400077	25 M3 Siemem WB 25 Batching Plant	
137	D0400082	25 M3 Siemem WB 25 Batching Plant	
138	D0400084	25 M3 Siemem WB 25 Batching Plant	
139	D0500037	42 M3 HR.BP-1800 HDR D Portable Schwing	
140	D0500049	30 M3 Concrete Pump Sany Diesel	
141	D0500050	30 M3 Concrete Pump BP 350 E Greaves	
142	D0500080	30 M3 Concrete Pump Schwing BP 350E	
143	D0500082	30 M3 Concrete Pump Greaves BP 350	
144	D0500085	30 M3 Concrete Pump Schwing stetter BP	
145	D0500087	42 M3 Concrete Pump BP1800 HDR-E	
146	D0500096	30 M3 Concrete Pump S.Stetter BP 350 EXT	



147	D0500100	30 M3 Concrete Pump S.Stetter BP 350 EXT	
148	D0500117	30 M3 Concrete Pump BP 350 EXT	
149	D0500126	30 M3 Concrete Pump BP 350 EXT	
150	D0500127	30 M3 Concrete Pump BP 350 EXT	
151	D0500132	60 M3 Concrete Pump SP1800	
152	D0500133	60 M3 Concrete Pump SP1800	
153	D1100039	4M ³ Transit Mixer Shirke	
154	D1100064	6M ³ Transit Mixer Schwing Stetter	
155	D1100076	6M ³ Transit Mixer Schwing Stetter	
156	D1100079	6M ³ Transit Mixer Schwing Stetter	
157	D1100093	6M ³ Transit Mixer Shirke	
158	D1100109	6M ³ Transit Mixer Shirke	
159	D1100124	6M ³ Transit Mixer Schwing Stetter	
160	D1100125	6M ³ Transit Mixer Schwing Stetter	
161	D1100127	6M ³ Transit Mixer Schwing Stetter	
162	D1100130	6M ³ Transit Mixer Schwing Stetter	
163	D1100135	6M ³ Transit Mixer Schwing Stetter	
164	D1100170	6M ³ Transit Mixer Schwing Stetter	
165	D1100178	6M ³ Transit Mixer Schwing Stetter	
166	D1100188	6M ³ Transit Mixer Schwing Stetter	
167	D1100232	6M ³ Transit Mixer Schwing Stetter	
168	D1100233	6M ³ Transit Mixer Schwing Stetter	
169	D1100235	6M ³ Transit Mixer Schwing Stetter	
170	D1100248	6M ³ Transit Mixer Schwing Stetter	
171	D1100249	6M ³ Transit Mixer Schwing Stetter	
172	D1100267	6M ³ Transit Mixer S.Stetter AM 6SHN-RH	
173	D1100286	4M ³ Transit Mixer Sch.stetter AM4 SHN	
174	D1100289	4M ³ Transit Mixer Sch.stetter AM4 SHN	
175	D1100290	4M ³ Transit Mixer Sch.stetter AM4 SHN	
176	D1100293	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
177	D1100296	6M ³ Transit Mixer S.Stetter AM6 SHN -RH	
178	D1100329	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
179	D1100330	6M ³ Transit Mixer S.Stetter AM6 SHN 2	
180	D1600002	Design, Engineering AND Complete Tunnel	
181	D1600018	Tunnel Form Work CIFA	
182	E0100030	1 M3 Dry Shotcrete Machine	
183	E0100046	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
184	E0100057	30 M3 Wet Shortcrete M/C With robo arm	
185	E0100062	20 M3 Cifa PCS 209 Wet Shotcrete Pump	
186	E0100072	20 M3 Dry Shotcrete Machine	
187	E0100078	30 M3 Wet Shortcrete M/C With robo arm	
188	E0100079	5-7 M3 Wet Shotcrete Machine	
189	E0100080	30 M3 Wet Shortcrete M/C With robo arm	
190	E0100083	30 M3 Wet Shortcrete M/C With robo arm	
191	E0100094	33 M3 Wet shotcrete Pump	
192	E0100098	30 M3 Wet Shortcrete M/C With robo arm	
193	E0100099	30 M3 Wet Shortcrete M/C With robo arm	
194	E0100100	30 M3 Wet Shortcrete M/C With robo arm	
195	E0100102	30 M3 Wet Shortcrete M/C With robo arm	
196	E0100107	30 M3 Wet Shortcrete M/C With robo arm	



197	E0100108	30 M3 Wet Shortcrete M/C With robo arm	
198	E0100113	30 M3 Wet Shortcrete M/C With robo arm	
199	E0100115	20 M3 Wet Shotcrete M/C with robo arm	
200	E0100127	Wet shotcrete Machine TSR 30.14	
201	E0100128	Wet shotcrete Machine TSR 30.14	
202	E0700007	0-200 Lpm Atlas Copco Gr.System Model E2	
203	E0700008	Atlas Copco Grouting Equipment	
204	E0700036	Uni Grout E 200 100 - 12 H	
205	E0700045	Grouting Equipment Unigrout E 200 100	
206	E0700046	Mai injection Grout Pump M 400 NT	
207	E0700047	Mai Grout Pump M 400 NT	
208	E0700048	Mai Grout Pump M 400 NT	
209	E0700057	Uni Grout Pump 100-12 EH	
210	E0700066	Mai Grout Pump Atlascopco M 400 NT	
211	E0700083	Mai Grout Pump Atlascopco M 400 NT	
212	E0700105	Mai Grout Pump Atlas Copco M 400 NT	
213	E0700106	Mai Grout Pump Atlas Copco M 400 NT	
214	E0700107	Mai Grout Pump Atlas Copco M 400 NT	
215	E0700108	Mai Grout Pump Atlas Copco M 400 NT	
216	E0700109	Mai Grout Pump Atlas Copco M 400 NT	
217	E0700118	Mai Grout Pump Atlas Copco M 400 NT	
218	E0700127	Mai Grout Pump Atlas Copco M 400 NT	
219	E0700128	Mai Grout Pump Atlas Copco M 400 NT	
220	E0700129	Mai Grout Pump Atlas Copco M 400 NT	
221	E0700130	Mai Grout Pump Atlas Copco M 400 NT	
222	G0200033	15 Ton Magna Engineers E.O.T.Crane	
223	G0200052	12.50 Ton Electromech Gantry Crane	
224	G0200085	20 Ton Gantry Crane Anupam span 25 mtr	
225	G0200087	20 Ton EOT Crane Anupam span 25mtr	
226	G0200088	5 Ton EOT Crane Anupam span 25mtr.	
227	G0200092	30 Ton Gantry Crane for pressure Shaft	
228	G0200093	30 Ton Gantry Crane for pressure Shaft	
229	G0200102	5 Ton Electromech Gantry Crane Span 20M	
230	G0200109	5 Ton Gantry Crane Span 14M HuH 6m	
231	G0200114	10 Ton Electromech Gantry Crane	
232	G0200115	35 Ton Gantry Crane	
233	G0200123	D/G 30T Gantry Crane w/o Crab 30M Span	
234	G0300055	10 T@40M Shirke Potain Tower Crane	
235	G0300058	10 T@30M Shirke Potain Tower Crane	
236	G0700015	FORKLIFT	
237	G0700028	Furukawa Unic Crane URV 504 TR. MOUNTED	
238	G0700032	Articulated crane mounted on LPK1613/42	
239	G0700037	Electric Forklift GX 300E Godrej	
240	G0700038	3.50 T.Maniscopic Telehandler MT 1235 S	
241	G0700039	3.50 T.Maniscopic Telehandler MT 1235 S	
242	G0700043	3.50 T.Maniscopic Telehandler MT 1235 S	
243	G0700059	3.50 Maniscopic Telehandler MT1235S	
244	G0700062	3.50 Maniscopic Telehandler MT1235S	
245	G0700066	Articulated Crane mounted on LPT 1616/48	
246	G0700077	4T Manitou Telehandler MT-X-1440 c/w R C	



247	G0700078	Telehandler JCB 3T 5311A	
248	G0700079	Telehandler JCB 3T 5311A	
249	G1200001	Two Segment Lifter 5 Ton Scissor type	
250	H0100084	Crawler Dozer 165HP Hindustan Motors	
251	H0100109	Crawler Dozer 165HP Shanghai Peng Pu Pd	
252	H0100116	Crawler Dozer 165HP Shanghai Peng Pu Pd	
253	H0100118	Crawler Dozer 320HP Shanghai Peng Pu Pd	
254	H0100125	Crawler Dozer 104HP Komatsu D41-E-6	
255	H0100129	Crawler Dozer 180 HP D 65E-12	
256	H0400053	Back Hoe Loader JCB 4DX	
257	H0400074	Back Hoe Loader JCB 4DX	
258	H0400075	Back Hoe Loader JCB 4DX	
259	H0400076	Back Hoe Loader JCB 4DX	
260	H0500193	0.30 M3 Hydraulic Excavator JCB JS 80	
261	H0500241	0.93 M3 Hydraulic Excavator L&T PC-200-6	
262	H0500264	0.93 M3 Hydraulic Excavator L&T PC-200-6	
263	H0500265	0.93 M3 Hydraulic Excavator L&T PC-200-6	
264	H0500268	0.93 M3 Hydraulic Excavator L&T PC-200-6	
265	H0500285	2.10 M3 Hydraulic Excavator L&T PC 300-7	
266	H0500294	Zero Tail Swing Hyd.Excavator VIO 20-3-P	
267	H0600045	65 Ton Crawler Crane Sumitomo SC-650-II	
268	H0600062	80 Ton Crawler Crane Fushun ACC.800	
269	H0800088	3 M3 Wheel Loader CAT 966 F Side dump	
270	H0800098	3 M3 Wheel Loader CLG 856 Side Dump	
271	H0800105	3 M3 Wheel Loader CLG 856 Side Dump	
272	H0800112	2.7 M3 Wheel Loader CLG 856 Side Dump	
273	H0800118	2.7 M3 Wheel Loader CLG 856 Side Dump	
274	H0800135	1.80 M3 F.End Loader 432ZX With S.Bucket	
275	H0800147	1.80 M3 F.End Loader 432ZX with S.bucket	
276	H0800154	2.7 M3 Wheel Loader CAT 950 H Side dump	
277	H0800163	2.7 M3 Wheel Loader CLG 856 BS III	
278	H0800164	2.7 M3 Wheel Loader CLG 856 BS III Side	
279	H0900065	25 Ton Mobile/Rough Terrain Crane KR25H	
280	H0900070	10 Ton Mobile/Rough Terrain Crane K-10	
281	H0900086	25 Ton Mobile Crane Kato KR 25H-V	
282	H0900094	30 Ton Hyd.Mobile Crane RT 630C	
283	H0900095	30 Ton Hyd.Mobile Crane RT 630C	
284	H0900098	30 Ton Hyd.Mobile Crane TIL RT 630	
285	H0900106	14 Ton Pick and Carry Crane F 15	
286	H0900107	14 ton Pick and Carry Crane F 15	
287	H0900116	30 Ton Hyd.Mobile Crane Escort RT 30	
288	J0100069	250 Ton Jaw Crusher Svedala Arbra1208 HD	
289	J0100086	175 TPH Jaw Crusher Nawa Engg.&Consultan	
290	J0100096	175 TPH Jaw Crusher JM 1108	
291	J0300022	250 TPH Cone Crusher Svedala Arb H-3000E	
292	J0300023	250 TPH Hyd Cone Crusher Svedala Arb H	
293	J0300026	250 TPH Cone Crusher Svedala Arb S-000EC	
294	J0300042	Cone Crusher Metso GP11F	
295	J0300051	175 TPH Hydrocone Crusher Sandvik S-3800	
296	J0500011	200 TPH Vertical Shaft Impactor Svedala	

297	J0500018	300 TPH Vertical Shaft Impactor Metso Mi	
298	J0500022	Vertical Shaft Impactor (METSO B9100 DD)	
299	J0500031	Verticle Shaft Impactor MetsoNordberg	
300	J0500035	150TPH METSO VSI Barmac B9000	
301	J0800018	200 TPH Crushing Plant	
302	J0800025	100 Ton Crushing Plant (assembled)	
303	K0100111	150 TPH Vibrating Screen Metso Minerals	
304	K0100121	300 TPH Vibrating Screen Metso Minerals	
305	K0100146	Vibrating Screen III Deck SS1233	
306	K0100147	Vibrating Screen III Deck TS- 2.30	
307	K0100155	Tripple Deck Screen RIPLFLO 48/18	
308	K0100156	Tripple Deck Screen RIPLFLO 48/18	
309	K0500047	210 TPH Svedala Vibrating Feeder	
310	K0500052	200 TPH Svedala Vibrating Feeder	
311	K0500070	200 TPH Svedala Vmot 46/12 Grizzly Feede	
312	K0500102	300 TPH Metso Minerals Vmot 46/12 Grizzl	
313	K0500128	225 TPH Vibrating Feeder-Metso Minerals	
314	K0500129	225 TPH Vibrating Feeder-Metso Minerals	
315	K0500131	225 TPH Vibrating Feeder-Metso Minerals	
316	K0500180	Grizzly Feeder GF 1246	
317	K0600008	Screw Classifier Soc, General Machine Ed	
318	K0600011	Screw Classifier AAR TECH SERVICES MEM 9	
319	K0600016	Screw Classifier Metso Minerals	
320	K1300002	Shuttle Conveyor 200 TPH Cobit Engg.	
321	K1300005	Shuttle Conveyor 200 TPH Cobit Engg.	
322	L0100026	36 MM P 36 Bar Bending Machine Icaro	
323	L0200062	55 MM Dia Bar Cutting Machine Icaro C-55	
324	L0200080	42 MM Bar Cutting Machine Icaro C-42	
325	M0100100	1 M. MYSORE KIRLOSKAR ENTERPRISE 400 LAT	
326	M0100135	Lathe Machine Atlas Super cut bed 16'	
327	M0200096	32 MM Radial Drilling Machine MAG-3	
328	M0500029	630 MM Shaping Machine Parksons Engg	
329	P0101397	75 HP; 900 LPM @ 200 M HEAD KIRLOSKAR PU	
330	P0101717	90 KW Centrifugal Pump M&P 150/200GST	
331	P0101735	20 HP Centrifugal pump PN 17, M & Platt	
332	P0101736	20 HP Centrifugal pump PN 17, M & Platt	
333	P0101737	20 HP Centrifugal pump PN 17, M & Platt	
334	P0101738	20 HP Centrifugal pump PN 17, M & Platt	
335	P0101739	20 HP Centrifugal pump PN 17, M & Platt	
336	P0101740	20 HP Centrifugal pump PN 17, M & Platt	
337	P0101741	20 HP Centrifugal pump PN 17, M & Platt	
338	P0101745	90 KW Centrifugal Pump M&P 150/200GST	
339	P0200151	75.50 HP Well Point Pump Diesel driven	
340	P0200152	75.50 HP Well Point Pump Diesel driven	
341	P0200153	75.50 HP Well Point Pump Diesel driven	
342	P0200154	75.50 HP Well Point Pump Diesel driven	
343	P0900667	25 HP; 3750 LPM @ 20 M HEAD MODY SUBMERS	
344	P0900826	50 HP Submersible Pump HD 50 H Hitec	
345	P0900858	25 HP Submersible Pump G 802T, Mody make	
346	P0900877	50 HP Submersible Pump HD 50H Hitec	



347	P0900886	35 HP Submersible Pump Hitec HD 35 H	
348	P0900887	35 HP Submersible Pump Hitec HD 35 H	
349	P0900888	35 HP Submersible Pump Hitec HD 35 H	
350	P0900889	35 HP Submersible Pump Hitec HD 35 H	
351	P0900890	35 HP Submersible Pump Hitec HD 35 H	
352	P0900892	35 HP Submersible Pump Hitec HD 35 H	
353	P0900907	50 HP Submersible Pump Hitec HD 50 H	
354	P0900909	50 HP Submersible Pump Hitec HD 50 H	
355	P0900910	35 HP Submersible Pump Hitec HD 35 H	
356	P0900911	35 HP Submersible Pump Hitec HD 35 H	
357	P0900912	35 HP Submersible Pump Hitec HD 35 H	
358	P0900913	35 HP Submersible Pump Hitec HD 35 H	
359	P0900917	35 HP Submersible Pump Hitec HD 35 H	
360	P0900932	35 HP Submersible Pump HD35H	
361	P0900933	35 HP Submersible Pump HD35H	
362	P0900934	35 HP Submersible Pump HD35H	
363	P0900935	35 HP Submersible Pump HD35H	
364	P0900936	35 HP Submersible Pump HD35H	
365	P0900937	75HP submersible Pump HD 75	
366	P0900938	75HP submersible Pump HD 75	
367	P0900962	35 HP Submersible Pump HD35H	
368	P0900963	35 HP Submersible Pump HD35H	
369	P0900964	35 HP Submersible Pump HD35H	
370	P0900965	75HP submersible Pump HD 75	
371	P0900966	75HP submersible Pump HD 75	
372	P0900967	75HP submersible Pump HD 75	
373	P0900968	75HP submersible Pump HD 75	
374	P0900969	75HP submersible Pump HD 75	
375	P0900988	35 HP Submersible Pump HD35H	
376	P0900991	35 HP Submersible Pump HD35H	
377	P0900992	35 HP Submersible Pump HD35H	
378	P0901001	35 HP Submersible Pump HD35H	
379	P0901002	35 HP Submersible Pump HD35H	
380	P0901004	50HP Submersible Pump HD50H	
381	P0901005	50HP Submersible Pump HD50H	
382	P0901009	50HP Submersible Pump HD50H	
383	P0901015	35 HP Submersible Pump HD35H	
384	P0901016	35 HP Submersible Pump HD35H	
385	Q0500100	10 Ton Vibratory Com.Greaves Bomag BW212	
386	Q0500104	10 Ton Vibratory Com.Greaves Bomag BW212	
387	R0100074	200 TR Chilling Plant Eu Industrial	
388	R0100077	160 TR Chilling Plant Eu Industrial	
389	R0100104	50 TR Chilled Water Plant EU	
390	R0100107	20 TPD Ice Plant Geoflair Greentech	
391	R0100108	20 TPD Ice Plant Geoflair Greentech	
392	R0100109	20 TPD Ice Plant Geoflair Greentech	
393	R0300116	75 KW x 2 Ventilation fan Zitron	
394	R0300124	75 KW Ventilation fan Zitron ZVN 1-14-75	
395	R0300144	75 KW Ventilation fan Zitron ZVN 1-16-75	
396	R0300152	132 KW Ventilation Fan Zitron	



397	R0300163	75 KW Ventilation fan Zitron ZVN 1-16-75	
398	R0300169	75 KW Ventilation fan Zitron ZVN 1-14-75	
399	R0300176	75 KW Ventilation fan Zitron ZVN 1-16-75	
400	R0300183	250 KW Ventilation fan Zitron ZVN 1-18	
401	R0300184	250 KW Ventilation fan Zitron ZVN 1-18	
402	R0300185	250 KW Ventilation fan Zitron ZVN 1-18	
403	R0300187	250 KW Ventilation fan Zitron ZVN 1-18	
404	R0300192	250 KW Ventilation fan Zitron ZVN 1-18	
405	R0300193	250 KW Ventilation fan Zitron ZVN 1-18	
406	R0300194	250 KW Ventilation fan Zitron ZVN 1-18	
407	R0300198	355 KW Ventilation fan ZVN-1-18-355/4	
408	R0300200	250 KW Ventilation fan Zitron	
409	R0300208	250 KW Ventilation fan ZVN-1-18-250/4	
410	R0300209	250 KW Ventilation fan ZVN-1-18-250/4	
411	R0300217	132KW Ventilation Fan ZVN-16-132/4	
412	R0300218	132 KW Ventilation Fan ZVN -16-132/4	
413	R0300221	132 KW Ventilation Fan ZVN -16-132/4	
414	R0300228	75 KW Ventilation fan gEL9-75/2	
415	R0300240	355 KW Ventilation fan ZVN-1-18-355/4	
416	R0300241	355 KW Ventilation fan ZVN-1-18-355/4	
417	R0300242	75 KW Ventilation fan gEL9-75/2	
418	R0300250	355 KW Ventilation fan ZVN-1-18-355/4	
419	R0300251	355 KW Ventilation fan ZVN-1-18-355/4	
420	S0700128	Auto Compressor 34.1 cfm Elgi	
421	S1700015	Mobile Service Container	
422	S1700024	Maintainance Container(MSU)on 1613/42	
423	S1700030	Service Container for Boomer	
424	S2900005	12 HP Jet Cleaning Machine	
425	T0100575	Tata Chassis SE1613/42 Jet Cleaning Mach	
426	T0100589	Tata Chassis LPT 1613/42 Diesel Tanker	
427	T0100596	Tata Chassis LPK2516/38TC Transit Mixer	
428	T0100615	Tata Chassis LPK2516/38TC Transit Mixer	
429	T0100648	Tata Chassis LPK2516/38TC Transit Mixer	
430	T0100649	Tata Chassis LPK2516/38TC Transit Mixer	
431	T0100650	Tata Chassis LPK2516/38TC Transit Mixer	
432	T0100659	Tata Chassis LPK2516/38TC Transit Mixer	
433	T0100687	Tata Chassis SE1613/48 Mobile Service Un	
434	T0100724	Tata Chassis LPK2516/38TC Transit Mixer	
435	T0100731	Tata Chassis LPT1613/48TC Flat Bed Truck	
436	T0100757	Tata Chassis LPK2516/38TC Transit Mixer	
437	T0100758	Tata Chassis LPT1613/48Mobile Service Un	
438	T0100783	Tata Chassis LPT1613/42 Water Tanker	
439	T0100790	Tata Chassis for Truck mounted Crane	
440	T0100816	Tata Chassis LPK2516/38TC Transit Mixer	
441	T0100828	Tata Chassis LPT1613/48TC Flat Bed Truck	
442	T0100856	Ashok Leyland Chassis 2516H/4C Taurus	
443	T0100862	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
444	T0100864	Ashok Leyl Chassis 2516H/4C Taurus Tr Mi	
445	T0100884	Tata Chassis LPT1613/42TC Scisor Lift	
446	T0100887	Tata Chassis LPT1613/42TC Scisor Lift	

447	T0100910	Tata Chassis LPK2516/38TC Transit Mixer	
448	T0100922	Tata Chassis LPK2516TC/38 Transit Mixer	
449	T0100923	Tata Chassis LPK2516TC/38 Transit Mixer	
450	T0100926	Tata chassis LPT1613/42Diesel bowser mou	
451	T0100927	Tata Chassis LPT1613/42 Water Tanker	
452	T0100928	Tata Chassis LPT1613/42 Water Tanker Mou	
453	T0100929	Tata Chassis LPT1613/48TC Flat Bed Truck	
454	T0100932	Tata LPT1613/42 ch.for HAIB articu.crane	
455	T0100939	Tata chassis LPT1613/42Diesel bowser	
456	T0100941	Tata ch. LPT 1613/42 for Scissor Lift	
457	T0100956	Tata chassis LPT 1613/42 for S. lift	
458	T0100961	Tata Chassis LPK 2516TC/38 for T.Mixer	
459	T0100993	Tata ch. SE 1613TC/42 for Transit Mixer	
460	T0101013	Tata LPT 1613/48 Flat bed Truck	
461	T0101014	Tata LPT 1613TC/42 for Diesel Refueller	
462	T0101015	Tata LPT 1616/42 Chassis for S.Lift	
463	T0101017	Tata LPK2518 Chassis for Transit Mixer	
464	T0101018	Tata LPK2518 Chassis for Transit Mixer	
465	T0101020	Tata LPT 1616/42 Chassis for W.Tanker	
466	T0101022	Tata LPT 1616/42 Chassis for W.Tanker	
467	T0101033	Tata LPT 1616/48 Truck (CLB)	
468	T0101041	Tata LPT 1616/48 for Articulated Crane	
469	T0101042	Tata LPT 1616/48 Truck (CLB)	
470	T0101043	Tata ch.SE 1613TC/42 for Transit Mixer	
471	T0101052	Tata ch.SE 1613TC/42 for Transit Mixer	
472	T0101064	Tata LPK2518 Chassis for Transit Mixer	
473	T0101065	Tata LPK2518 Chassis for Transit Mixer	
474	T0101066	Tata LPK2518 Chassis for Transit Mixer	
475	T0101067	Tata LPK2518 Chassis for Transit Mixer	
476	T0101091	Tata LPK2518 Chassis for Transit Mixer	
477	T0101092	Tata LPK2518 Chassis for Transit Mixer	
478	T0200140	Pulling Unit Tata LPS 4018	
479	T0300174	25 Ton Trailer Semi Low Bed Satrac	
480	T0400110	28 Ton Tatra Trucks Hemang Dumper	
481	T0400111	28 Ton Tatra Trucks Hemang Dumper	
482	T0400112	28 Ton Tatra Trucks Hemang Dumper	
483	T0500126	SWARAJ MAZDA 32 SEATER MINI BUS	
484	T0500191	AMBULANCE 2 STRECHER	
485	T0500220	TATA LP 709/38 STAR BUS 32	
486	T0500265	MINI TRUCK Tata 407/34	
487	T0500320	Ambulance van 4 WD Swaraj Mazda	
488	T0500322	Tata Mini truck SCF 407/31	
489	T0500326	AMBULANCE Tata Winger	
490	T0500352	Tata Mobile 207 DI RX (Diesel Bouser)	
491	T0500361	Tata Mobile 207 DI RX (Diesel Bouser)	
492	T0600368	TOYOTA INNOVA -V	
493	T0600369	TOYOTA INNOVA -V	
494	T0600402	Scorpio Mahindra SLX 4WD	
495	T0600407	Tata Safari Dicor 2.2 VTT 4x4	
496	T0600425	Scorpio Mahindra MHawk VLX 4 WD	

497	T0800116	Diesel Locomotive 25 Ton	
498	T0800117	Diesel Locomotive 25 Ton	
499	T0900903	16 Ton Tata Hyva Dumper LPK2516 TC/38	
500	T0900907	16 Ton Tata Hyva Dumper LPK2516 TC/38	
501	T0900926	16 Ton Tata Hyva Dumper LPK2516 TC/38	
502	T0900935	16 Ton Tata Hyva Dumper LPK2516 TC/38	
503	T0900958	16 Ton Tata Hyva Dumper LPK2516 TC/38	
504	T0900960	16 Ton Tata Hyva Dumper LPK2516 TC/38	
505	T0900961	16 Ton Tata Hyva Dumper LPK2516 TC/38	
506	T0900963	16 Ton Tata Hyva Dumper LPK2516 TC/38	
507	T0900971	16 Ton Tata Hyva Dumper LPK2516 TC/38	
508	T0900976	16 Ton Tata Hyva Dumper LPK2516 TC/38	
509	T0900978	16 Ton Tata Hyva Dumper LPK2516 TC/38	
510	T0900979	16 Ton Tata Hyva Dumper LPK2516 TC/38	
511	T0901085	9 Ton Tata Tipper SK1613TC36	
512	T0901091	16 Ton Tata Hyva Tipper LPK2516TC38	
513	T0901093	16 Ton Tata Hyva Tipper LPK2516TC38	
514	T0901189	9 Ton Tata Tipper SK1613TC36	
515	T0901345	9 Ton Tata Tipper SK1613TC36	
516	T0901346	9 Ton Tata Tipper SK1613TC36	
517	T0901408	30Ton Volvo Tipper FM400 With Rock Body	
518	T0901416	30Ton Volvo Tipper FM400 With Rock Body	
519	T0901418	25 ton Volvo Tipper Rock body 14 cum	
520	T0901422	25 ton Volvo Tipper Rock body 14 cum	
521	T0901423	25 ton Volvo Tipper Rock body 14 cum	
522	T0901432	25 ton Volvo Tipper Rock body 14 cum	
523	T0901436	25 ton Volvo Tipper Rock body 14 cum	
524	T0901437	25 ton Volvo Tipper Rock body 14 cum	
525	T0901438	25 ton Volvo Tipper Rock body 14 cum	
526	T0901468	16 Ton Hyva dumper Tata LPK 2518 TC	
527	T0901470	16 Ton Hyva dumper Tata LPK 2518 TC	
528	T0901480	16 Ton Hyva dumper Tata LPK 2518 TC	
529	T0901481	16 Ton Hyva dumper Tata LPK 2518 TC	
530	T0901482	16 Ton Hyva dumper Tata LPK 2518 TC	
531	T0901494	16 Ton Hyva dumper Tata LPK 2518 TC	
532	T0901495	16 Ton Hyva dumper Tata LPK 2518 TC	
533	T0901506	16 Ton Box Tipper LPK 2523 TC 6x4	
534	T0901507	16 Ton Box Tipper LPK 2523 TC 6x4	
535	T0901508	16 Ton Box Tipper LPK 2523 TC 6x4	
536	T0901509	16 Ton Box Tipper LPK 2523 TC 6x4	
537	T0901511	16 Ton Box Tipper LPK 2523 TC 6x4	
538	T0901512	16 Ton Box Tipper LPK 2523 TC 6x4	
539	T0901515	16 Ton Rock Body Scoop Tipper LPK2518	
540	T0901516	16 Ton Rock Body Scoop Tipper LPK2518	
541	T0901521	16 Ton Rock Body Scoop Tipper LPK2518	
542	T0901522	16 Ton Rock Body Scoop Tipper LPK2518	
543	T0901533	16 Ton Box Tipper LPK 2523 TC/38 6x4	
544	T0901534	16 Ton Box Tipper LPK 2523 TC/38 6x4	
545	T0901535	10Ton Tata LPK 1618/36 Scoop type Tipper	
546	T0901540	10Ton Tata LPK 1618/36 Scoop type Tipper	



547	T0901559	16 Ton Bharat Benz Dumper 2528CH 6x4	
548	T0901560	16 Ton Bharat Benz Dumper 2528CH 6x4	
549	T0901561	16 Ton Bharat Benz Dumper 2828CH 6x4	
550	V0300082	EPABX (SIEMENS HIPATH 1150)	
551	V1600174	TOTAL STATION	
552	V1800022	1 Sec. Tunnel Profiler TCRA 1201 R 400	
553	W0100231	400 AMP Diesel Welding Set Esab EDW 400	
554	W0100233	400 AMP Diesel Welding Set Esab EDW 400	
555	W0100234	400 AMP Diesel Welding Set Esab EDW 400	
556	W0200193	320 AMP Welding Motor Gen.Advani Orlikon	
557	W0200194	320 AMP Welding Generator Advani Orlikon	
558	W0200222	320 AMP Welding Generator Ador Orlikon	
559	W0200225	320 AMP Welding Generator Ador Orlikon	
560	W0400184	400 AMP Welding Rectifiers Advani Orliko	
561	W0400186	400 AMP Welding Rectifiers Advani Orliko	
562	X0500003	2500 KG. MAX. STATIC LOAD BORETEC 5TH-5L	
563	X0500004	2500 KG. STATIC LOAD BORETEC 5TH-5LS RAI	
564	X0600034	100 T Electroni Mobile Weig Essae TM-950	
565	X0600048	150 T Weigh Bridge Electronic Sartorius	
566	X0600054	150 Ton Satorius Weigh Bridge	
567	X0600083	100T Weigh Bridge Avery	
568	X1600009	Tunnel Boring M/C TERRATEC T-45 9.86M	
569	X1700003	Steam Boiler make Fuelpac FWH -400	
570	X1700005	Boiler make Fuel Pac FWH - 400	
571	X1700006	Boiler make Fuel Pac FWH - 400	
572	X2000002	Waste Water Treatment Plant 1 MLD	

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List of Hired Equipment with Working Hrs.

Project: VPHEP Month: September 2024

Sr. No.	Log No.	Equipment Description	Name of Hiring Agency
Power house			
1	H040052H	JCB 3DX UK14CA1299	M/S Gairola Enterprises
2	H050212H	Excavator with breaker JCB-205	M/S IS Transport
3	H050233H	Excavator with breaker TATA HITACHI-200	M/S IS Transport
4	H050244H	Excavator JCB-205	M/S IS Transport
5	H050210H	Excavator with breaker Hyundai- 150	M/S IS Transport
6	H050249H	Excavator JCB-205	M/S Gairola developers
7	H050194H	Excavator JCB-140	M/S Gairola developers
8	H050095H	Excavator TATA EX-70	M/S IS Transport
9	H050096H	Excavator PC-200	M/S Jai Bhaironath
10	H050252H	Excavator Hyundai 215	M/S Jai Bhaironath
11	H050112H	Excavator with breaker Hyundai 215	M/S IS Transport
12	H050234H	Excavator with breaker JCB-215	M/S IS Transport
13	H050169H	Excavator JCB 205	M/S Arvind Hatwal
14	H050186H	Excavator JS 150	M/S IS Transport
15	H050251H	Excavator JS-215	M/S IS Transport
16	H050261H	Excavator with breaker Tata Jaxis-140	M/S IS Transport
17	H050239H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
18	H050242H	Excavator with breaker Hyundai 215 L	M/S Ajay Negi
19	T010074H	Water Tanker Mahindra DI UK11CA1022	M/S Anita Devi
20	T090117H	Dumper 16 Ton LPK1618 TC UK11CA1347	M/S Jai Bhaironath
21	T090118H	Dumper 16 Ton LPK1618 TC UK11CA1324	M/S Jai Bhaironath
22	T090119H	Dumper 16 Ton LPK1618 TC UK11CA3737	M/S Jai Bhaironath
23	T090316H	Dumper 25 Ton Bharat Banz 2523C UK14CA4355	M/S Jai Bhaironath
24	T090317H	Dumper 25 Ton Bharat Banz 2523C UK14CA4356	M/S Jai Bhaironath
25	T090334H	Dumper 25 Ton Bharat Banz 2523C UK14CA4512	M/S Jai Bhaironath
26	T090333H	Dumper 25 Ton Bharat Banz 2523C UK14CA4516	M/S Jai Bhaironath
27	T090331H	Dumper 25 Ton Bharat Banz 2523C UK14CA4515	M/S Jai Bhaironath



Gunn

28	T090332H	Dumper 25 TonBharat Banz 2523C UK14CA4514	M/S Jai Bhaironath
29	T090336H	Dumper 25 TonBharat Banz 2523C UK14CA4630	M/S Jai Bhaironath
30	T090337H	Dumper 25 TonBharat Banz 2523C UK14CA4631	M/S Jai Bhaironath
31	T090362H	Dumper 25 TonTata Signa 2825K UK14CA5577	M/S Aswal
32	T090398H	Dumper 25 TonTata Signa 2825K UK14CA9595	M/S Aswal
33	T090414H	Dumper 25 TonTata Signa 2823 C UK 14CA 9925	M/S Shivalik Construction
34	T090418H	Dumper 25 TonMahindra Blazo 2828 UK14CA4143	M/S Shivalik Construction
35	T090431H	Dumper 25 TonAMW 2523 TP UK07C1050	M/S Shivalik Construction
36	T090432H	Dumper 25 TonMahindra 2515 HR55U 4517	M/S Shivalik Construction
37	T090433H	Dumper 25 Ton, Tata LPK 2518 UK08CA9783	M/S Shivalik Construction
38	T090434H	Dumper 25 Ton, Mahindra Blazo 2828, UK14CA4303	M/S Shivalik Construction
39	T090299H	Dumper 25 TonBharat Banz 2523C UK14CA2037	M/S IS Transport
40	T090124H	Dumper 25 TonAshok Leyland 2523 UK14CA4604	M/S IS Transport
41	T090411H	Dumper 25 TonTata Signa 2823 C UK14CA5057	M/S IS Transport
42	T090233H	Dumper 16 TonLPK1618 TC UK09CA1012	M/S Arvind Hatwal
43	T090234H	Dumper 16 TonLPK1618 TC UK09CA1014	M/S Arvind Hatwal
DAM			
44	H050097H	ExcavatorTATA PC-200	M/S IS Transport
45	H050098H	ExcavatorHyundai - PC 350	M/S IS Transport
46	H050100H	ExcavatorPC-215	M/S IS Transport
47	H050092H	ExcavatorPC-215	M/S IS Transport
48	H050107H	ExcavatorPC-300	M/S IS Transport
49	H050213H	ExcavatorPC-300	M/S IS Transport
50	H050214H	ExcavatorTata PC-200	M/S IS Transport
51	H050246H	Excavator with breaker Hyundai-215L	M/S Suraj Sailani
52	H050235H	Excavator with breaker Tata 210	M/S AR Associates
53	H090112H	Hydra Crane Hydra 14T UK 14F 5183	M/S AB Infratech

54	T010120H	6 M3 Transit Mixer TATA 2823 UK14CA4332	M/S IS Transport
55	T010101H	6 M3 Transit MixerAL-2518 UK14-CA-3781	M/S IS Transport
56	T010100H	6 M3 Transit MixerAL-2518 UK14-CA-3780	M/S IS Transport
57	T010121H	6 M3 Transit MixerTATA 2823 UK14-CA-4335	M/S IS Transport
58	T010122H	6 M3 Transit MixerTATA 2823 UK14-CA-4367	M/S IS Transport
59	T010123H	6 M3 Transit MixerTATA 2823 UK 14CA 4368	M/S IS Transport
60	T090114H	Dumper 16 TonTATA 1618 UK 11CA 0640	M/S Sanjeev Kumar
61	T090322H	Dumper 16 TonTATA 1618 UK 11CA 1740	M/S Sanjeev Kumar
62	T090298H	Dumper 16 TonTATA 1618 UK11CA 1640	M/S Vijay Ram
63	T090364H	Dumper 16 TonTATA 1618 UK11CA 1840	M/S Vijay Ram
64	T090277H	Dumper 25 TonAshok Leyland 2523 UK04CA 6761	M/S S S Bisht
65	T090358H	Dumper 25 Ton UK07CD4421	M/S Deepa Devi
66	T090379H	Dumper 16 TonTATA 1618 UK 11CA 8931	M/S Suraj Sailani
67	T090300H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3361	M/S IS Transport
68	T090315H	Dumper 25 TonBharat Banz 2523C UK14CA4334	M/S IS Transport
69	T090326H	Dumper 25 TonAshok Leyland 2523 UK14CA4389	M/S IS Transport
70	T090327H	Dumper 25 TonAshok Leyland 2523 UK14CA4390	M/S IS Transport
71	T090125H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2979	M/S IS Transport
72	T090130H	Dumper 25 TonAshok Leyland 2523 UK 14CA 3360	M/S IS Transport
73	T090314H	Dumper 25 TonBharat Banz 2523C UK 14CA 4331	M/S IS Transport
74	T090131H	Dumper 25 TonAshok Leyland 2523 UK 14CA 2980	M/S IS Transport
75	T090167H	Dumper 25 TonBharat Banz 2523C UK 14CA 2214	M/S IS Transport
76	T090357H	Dumper 25 TonBharat Banz 2523C UK14CA 3089	M/S IS Transport

77	T090360H	Dumper 25 TonBharat Benz 2523C UK 14CA 3061	M/S IS Transport
78	T090361H	Dumper 25 TonBharat Benz 2523C UK 14CA 2980	M/S IS Transport
79	T090412H	Dumper 25 TonTata Signa 2823C UK 14CA 5068	M/S IS Transport
80	T090413H	Dumper 25 TonTata Signa 2823C UK 14CA 5248	M/S IS Transport
81	T090410H	Dumper 25 TonBharat Benz 2828C UK 14CA 4314	M/S IS Transport
82	T090420H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
83	T090421H	Dumper 25 TonBharat Benz 2828C UK14CA 6008	M/S IS Transport
84	T090429H	Dumper 25 Ton Tata Signa 2823C UK14CA 5249	M/S IS Transport
85	T090430H	Dumper 25 Ton Bharat Benz 2828C UK14CA 6011	M/S IS Transport
86	T090415H	Dumper 16 TonTata 2523 UK 09CA 0399	M/S THDCIL
87	T090416H	Dumper 16 TonTata 2523 UK 09CA 0593	M/S THDCIL
88	T090417H	Dumper 16 TonTata 2523 UK 09CA 0594	M/S THDCIL
89	T090419H	Dumper 16 TonTata 2518 UK 09CA 0397	M/S THDCIL
90	T090347H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5672	M/S AR Associates
91	T090381H	Dumper 25 TonAshok Leyland 2523 UK 07CB 7101	M/S AR Associates
92	T090348H	Dumper 25 TonAshok Leyland 2523 UK 07CB 5673	M/S AR Associates
93	T090350H	Dumper 16 TonTATA 1618 UK 07CB 0585	M/S AR Associates

