

KSPHC

SIGNIFICANT ASPECT REGISTER								Ref. No:IMSF-19-F-02	
								Revision:5	
								Date : 05.12.2015	
Sl. No.	Aspect ref.	Activity	Dept. / area applicable	Aspect	Potential Impact	RPN	Significant OR Insignificant	Existing control measures	Reference of OCP/EMP
1	COM - 01	Documentation / Printouts / Report generation.	All departments	Consumption of paper	Depletion of resources	18	S	Proper caution exercised while using paper so as to avoid wastage. Efforts shall be made to minimize the usage and recycle; the unprinted side is used for rough work in case of single sided printed sheet. Reference: WI/Waste/01.And adoption of soft copies through WBPMS and LPO to reduce consumption of paper.	WI/Waste/01
2	COM - 02	Computer Print outs	All departments	Consumption of toners, cartridges, ribbons etc	Depletion of resources	18	S	An account of printer cartridges consumed is kept by EE (System). Spent printer cartridges are returned to the manufacturer / authorised distributor	WI/Waste/01
3	COM - 02	Computer Print outs	All departments	Disposal of used Printer ribbon, ribbon and toner cartridges	Land / soil contamination	24	S	All the e-waste generated shall be collected and stored in one place and suitable buy-back-for-disposal mechanism with the supplier is in place.	WI/Waste/01
4	COM - 03	Office activities	All departments	Disposal of obsolete PCB assemblies and defective electronic components (E-waste).	Land / soil contamination	12	S	all items of e-waste are safely stored by EE (System) for safe disposal after consolidation.and disposal is ensured to authorised agency.	WI/Waste/01
5	COM - 07	Office activities - Usage of vehicles for going to construction sites	All departments	Emission from vehicles	Air pollution	16	S	Contract dept is monitoring emission norms of all vehicals on a periodic basis. Use of PMS for monitoring the project status has reduced movement of officials. Significant because of legal requirement	
5	CONS - 01	Land excavation	Construction site	Noise generation (by machinery)	Air pollution	16	S	Contractors advised to ensure maintenance of machinery to be done regularly so as to have a check on the noise level. Noise level t be monitored at site randomly.	

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7	CONS - 12	Painting, varnishing	Construction site	Generation waste containing paint such as waste cloth and disposal of empty containers of paints and chemicals	Land contamination / Water contamination	18	S	Disposal at designated sites	WI/Waste/01
8	CONS - 26	Construction of office premises, living quarters, etc	Construction site	Erecting cement structures of large roof area	Prevention of ground water percolation; depletion of ground water resource	24	S	KSPHC has included roof top rain water harvesting in all its construction projects and ensures maintenance and operation of such systems by	WI/Waste/01
9	CONS - 30	Receiving and unloading of cement / Concrete Blocks / materials	Construction site	Use of diesel driven truck for transport	Air pollution due to exhaust gases	16	S	Insist on maintenance of truck to be done regularly and emissions are checked regularly to ensure they are within the prescribed limits.	
10	CONS - 30	Receiving and unloading of cement / Concrete Blocks / materials	Construction site	Noise generation	Noise pollution	16	S	It is ensured that the machinery employed are of recent vintage with adequate noise control measures, and maintained in good working condition.	
11	CONS - 39	Water curing of RCC structures	Construction site	Use of water	Depletion of resources	24	S	Signs put a relevant places to ensure that water is not unduly wasted. Taps are checked regularly for any possible leakages	WI/Waste/01
12	CONS - 42	Demolition of old structures	Construction site	Generation and disposal of debris	Land contamination	24	S	Maximum salvage of items is made from demolished debris. Rest construction waste is used for road laying and reused.	WI/Waste/01
13	CONS - 47	Compacting by diesel operated vibrators	Construction site	Exhaust emissions	Air pollution	12	S	Maintenance of compacting machines to be done regularly and emissions checked regularly to ensure they are within the prescribed limits	
14	CONS - 48	Repair / Maintenance of vibrators	Construction site	Generation of used oil and disposal	Land contamination / water contamination	24	S	Ensure disposal of used oil to licensed reclaimers. Ref:	WI/Waste/01
15	CONS - 49	Operation and maintenance of DG sets	Construction site / Office	Exhaust emissions	Air pollution due to exhaust gases	18	S	Records of maintenance of DG sets as per manufacturer's recommendations, exhaust emission reports to be	
16	CONS - 49	Operation and maintenance of DG sets	Construction site / Office	Noise generation	Noise pollution	24	S	Ensure that the DG set has a noise enclosure as per standards specified. Check records of noise levels outside the enclosure.	
17	CONS - 49	Operation and maintenance of DG sets	Construction site / Office	Generation of used oil and disposal	Land contamination / Water contamination	24	S	Ensure disposal of used oil to licensed reclaimers.	WI/Waste/01
18	CONS - 50	Use and maintenance of batteries/ups/invertors	Construction site	Generation of dead batteries; improper disposal	Water pollution; lead poisoning	18	S	Ensure that spent batteries are returned to suppliers; verification of records.	WI/Waste/01

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19	CONS - 51	Operation and maintenance of diesel driven compressor	Construction site	Generation of used oil and disposal	Land contamination / Water contamination	24	S	Ensure disposal of used oil to licensed reclaimers.	WI/Waste/01
20	CONS - 52	Operation and maintenance of fork lift trucks	Construction site	Generation and improper disposal of used lead acid batteries	Lead contamination of water resources	24	S	Spent batteries are returned to suppliers in exchange of replacement	WI/Waste/01
21	CONS - 54	Receiving RMC	Construction site	Consumption of diesel by truck used for transport	Depletion of resources	16	S	Vehicle FC, PUC, Driver's License papers to be periodically checked to ensure compliance with prescribed standards.	
22	CONS - 54	Receiving RMC	Construction site	Exhaust emissions from operation of truck	Air pollution due to exhaust gases	16	S	Vehicle FC, PUC, Driver's License papers to be periodically checked to ensure compliance with prescribed standards. Q92	
23	CONS - 54	Usage of trucks for transporting RMC	Construction site	Generation of used oil and disposal	Land contamination / Water contamination	16	S	Disposal at designated sites	WI/Waste/01
24	CONS - 54	Receiving RMC	Construction site	Noise generation	Noise pollution	24	S	Vehicle FC, PUC, Driver's License papers to be periodically checked to ensure compliance with prescribed standards.	
25	CONS - 56	Concrete mixing	Construction site	Generation of used oil by the Diesel engine and disposal.	Land contamination / Water contamination	24	S	Disposal at designated sites	WI/Waste/01
26	CONS - 56	Concrete mixing	Construction site	Noise generation	Noise pollution	24	S	Monitoring of noise level	
27	CONS-58	Oiling of shuttering boards	Construction site	Oiling of shuttering boards, To avoid damage to casted concrete while deshuttering.	Land contamination / water contamination, when spilled on ground while applying	24	S	Work instructions issued to all for controlling the spillage of oil/usage of oil for applying it to shuttering boards.	WI/Shuttering/01
<p>The aspect &amp; Impact register is reviewed on 05.08.2014 with the cross functional team (CFT). The members felt that the rating have not changed since the last review. It is decided to keep the same register and review it again by end of 2014.</p>									
<p>Approved By: Syed Nayeem Ahmed (MR &amp; EE)</p>									