

ANNEXURE-C

1. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR THE PROJECT – HOUSING FOR SLUM DWELLERS, DEVELOPMENT OF NEW HOUSING TENEMENTS AT DUBRAYAPET, HOUSING PROJECTS

Sl. no	Envt. / Social attribute		Potential E & S impacts	Mitigation measures	Responsibility		Cost estimates in Rs. (in Cr.)
	Parameter	Aspect			Implementations	Supervision	
1	Project site / location Dubrayapet	Construction of New Housing Tenements	The housing build site at Dubrayapet falls within CRZ-II, for which CRZ clearance from Puducherry Coastal Zone Management Authority (PCZMA) need to be obtained prior to construction.	The required CRZ clearance from PCZMA has been obtained.	PSCDL	-	0.04 which will be met from project cost
2	Land Environment	Operation	Subsequent to the completion of the project, the temporary structures like sheds, bunds, etc., which were established in the project campus during construction will cause hindrance to the residents for their routine activities and also it will give shabby appearance.	As soon as the project works are completed, the temporary structures should be demolished and the solid waste / debris should be transported to the designated site. Thereafter landscaping in the project campus should be undertaken.	Contractor	Site Engineer & E & S officer	No cost

3	Water Environment	Construction	Owing to non-point discharges of sewage generated during construction will have impact on ground water quality if it leaches into ground.	The waste water generated during construction should be properly channelized and let into the nearby canal safely. The other waste viz: oil, debris etc shall be collected and disposed safely to avoid the insitu soil pollution.	Contractor	Site Engineer & E & S officer	No cost
		Operation	The waste water generated from the residential units should be properly disposed otherwise, it will flooding on the surface and cause pollution to the groundwater through leaching effect and also it will pollute the surface soil.	The waste water pipes of the dwelling units should be linked to the nearby existing UG drain system.	Contractor	Site Engineer	Cost of installation of UG drain system will be met from the project cost.

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4	Air Environment	Construction	The dust emissions during construction activities will have impact on the air quality environment and also have adverse impact on the health of the nearby residents.	Measures like sprinkling of water, covering of storage material and use of covering sheets should be done for trucks etc. may reduce the emissions.	Contractor	Site Engineer & E &S officer	No cost
		Operation	The emissions due to the vehicular movement may have slight impact on the air quality of the project site and will be insignificant	No mitigation.	No	No	No cost
5	Noise Environment	Construction	During construction activities, noise levels will increase due to use of construction machineries and vehicles in the project area. Unloading of construction materials, fabrication activities and operations of power shovels etc. are also the source of noise during the construction phase. The increases in noise level have the risk of causing effect on the peaceful environment of that area.	Ambient noise level in the site may be reduced through maintenance of construction equipments and adoption of noise control measures. The workers may be protected from noise pollution by providing ear muffs to them working in high noise zones. The windows and doors of the houses located in vicinity of the project site should be kept closed at the time of peak construction to prevent the flow of noise into the houses.	Contractor	Site Engineer & E &S officer	No cost

6	Biological Environment	Construction	Since the proposed project activities will not lead to habitat destruction or vegetation destruction, the project activities does not have any impact on biological environment.	No mitigation.	No	No	No cost
		Operation	Subsequent to the completion of project activities, plantation of tree saplings should be undertaken in the areas wherever possible to strengthen the biological environment.	Plantation of tree saplings should be undertaken in the area wherever possible. The residents of the housing complex may be involved on the development and maintenance of greenery in the campus.	PSCDL	Site Engineer & E & S officer	The cost of development of greenery shall be met from project cost

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7	Socio-Economic Environment	Construction	Failure to maintain good relation with the residents in the vicinity of the project site may create unnecessary conflicts with them which will ultimately reflect on the smooth execution of the project.	Maintenance of good relation with local community will facilitate for smooth operation of the project and engagement of local persons in the project operations will also help to increase the progress of the project. Providing of basic facilities to the workers will protect the health of the personnel.	SPV and Contractor	Site Engineer and PEPO	No cost
		Operation	<ul style="list-style-type: none"> Consequent to the completion of the housing project, the dwelling unit will be allotted to the homeless people belonging to low income group living in hutments and in platform. Failure to maintain the buildings regularly and to keep the campus free from solid waste, will result in deterioration of the buildings and unhealthy environment of the campus. 	<ul style="list-style-type: none"> The completion of the project will lead to the satisfaction of the community who occupied the houses and also improvement in the living environment of the community. For sustainable maintenance of the building and to keep the campus neat and clean, permanent funding arrangement should be made to meet the expenses arising on the maintenance of building and campus. 	PSCDL & PSCB	Site Engineer & PEPO	No cost

8	Solid waste Environm ent	Construction	<p>Improper segregation, handing and disposal of solid waste generated during construction will have impact on the health and safety of personnel and on surface environment.</p> <p>Trespassing of rag pickers into site may lead to cause injuries / accidents.</p>	<p>Transportation of debris to the designated site.</p> <p>Usage of earth, sand and gravel for back filling of the earth.</p> <p>Disposal of other wastes by adopting precautionary measures.</p> <p>Restriction of entry of rag pickers into the solid waste yard through security arrangement.</p>	Contractor	Site Engineer	No cost
		Operation	<p>During operation, the domestic wastes generated from the households will be deposited in the dust bins to be placed in the residential colony. The domestic waste collected should be transported to the designated site without any spillage on the surface.</p>	<p>Solid waste deposited in the dust bins will be transported to the compost yard by the Municipal vendors on daily basis and adequate dust bins should be placed in common places of the housing complex to deposit the domestic waste without any spillage.</p>	Municipality and PSCB	Municipal and PSCB Engineers	Adequate No. of dustbins should be placed in the housing complex wherever necessary by Municipality / PSCB
9	Transporta tion Environm ent	Construction	<p>Transportation of construction equipments and construction materials and construction waste will cause adverse impact on the existing traffic of that area as well as on the routine mobilization of residesnts /</p>	<p>To mitigate the issue, the mobilization of construction equipments and transportation of construction materials to the project sites shall be undertaken during late night times.</p>	Contractor	Site Engineer	No cost

			students in the roads close to the site.	The workers and residents of the site may be advised to adhere the traffic regulations while entering the site or moving out of the site.			
10	COVID-19 pandemic measures	Construction	Amid COVID-19 pandemic, the workers of the site may be infected	<p>In order to prevent spread of COVID-19 infection it is important that necessary measures should be adhered strictly which are as follows</p> <ul style="list-style-type: none"> (i) The workers should be insisted to get vaccinated for COVID_19 and they should be engaged only after verifying the respective certificates (ii) Physical distancing of at least 6 feet to be followed as far as feasible. (iii) Use of face covers/masks to be made mandatory. (iv) Frequent hand washing with soap (for at least 40-60 seconds) 	PSCDL & Contractor	Site Engineer & PEPO	0.05 The expenditure may be met from contingency fund

				<p>even when hands are not visibly dirty. Use of alcohol-based hand sanitizers (for at least 20 seconds) can be done wherever feasible</p> <p>(v) Respiratory etiquettes to be strictly followed. This involves strict practice of covering one's mouth and nose while coughing/sneezing with a tissue/handkerchief/flexed elbow and disposing off used tissues properly.</p> <p>(vi) Self-monitoring of health by all and reporting any illness at the earliest.</p> <p>(vii) Spitting shall be strictly prohibited.</p> <p>(viii) Installation &</p>			
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				use of AarogyaSetu App shall be advised wherever feasible.			
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2. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR THE PROJECT - COMPREHENSIVE DEVELOPMENT OF DHOBI KHANA AT SALAVAIYALAR NAGAR, DHOBI KHANA COMMUNITY FIX PROJECTS

Sl.No	Envt. / Social attribute		Potential E & S impacts	Mitigation measures	Responsibility		Cost estimates in Rs.(Cr.)
	Parameter	Aspect			Implementations	Supervision	
1	Project site / location Salavaiyalar Nagar, Lawspet	Development of Dhobi Khana	Detailed below		PSCDL	Site Engineer & E &S officer PEPO	1.87
2	Water Environment	Construction	Owing to non-point discharge of sewage generated during construction will have impact on ground water quality if it leaches into ground, and also affects the surface soil of the site.	The waste water generated during construction should be properly channelized and let into the nearby canal safely.	Contractor	Site Engineer & E &S officer	No cost
		Operation	During operation, it is expected that around 180 KLD of laundry wash water mixed with detergents may be generated and it would be let into nearby drain as waste and also domestic	In order to treat the waste water generated from washing yard at Dhobi Khana, an appropriate treatment plant should be constructed and the treated water should be reused for gardening and cleaning	Contractor	Site Engineer	Cost of installation of treatment plant system shall be met from the project cost.

			waste water will be generated from the residential units from Dhobi Khana.	purposes. The excess of treated water will be let into the nearby drain, and the domestic waste water should be properly diverted through proper drains to the nearby channel without any stagnation.			
3	Air Environment	Construction	The dust emissions during construction activities will have impact on air quality environment and also have adverse impact on the health of the nearby residents.	Measures like sprinkling of water, covering of storage material and use of covering sheets should be done for trucks etc. may reduce the emissions.	Contractor	Site Engineer and E &S officer	No cost
		Operation	The emissions due to the vehicular movement may have slight impact on the air quality of the project site and will be insignificant.	No mitigation.	No	No	No cost

4	Noise Environment	Construction	During demolition and construction activities, noise levels may increase due to use of machineries and vehicles in the project area. Unloading of construction materials, fabrication activities, and operations of power shovels etc. are also the source of noise during the construction phase. The increase in noise level will have the risk of causing effect on the peaceful environment of the project site.	Ambient noise level in the site may be reduced through maintenance of construction equipment and adoption of noise control measures. The workers may be protected from noise pollution by providing ear muffs to them working in noise zones. The door and windows of the houses located in the vicinity of the site should be kept closed at the time of peak noise to avoid the inflow of noise into the houses.	Contractor	Site Engineer and E & S officer	No cost
5	Biological Environment	Construction	Since the proposed project activities will not lead to habitat destruction or vegetation destruction, the project activities does not have any impact on biological environment.	No mitigation.	No	No	No cost
		Operation	Subsequent to the completion of project activities, plantation of tree saplings should be undertaken in the project sites wherever possible to strengthen the biological environment.	Plantation of tree saplings should be undertaken in the area wherever possible. The residents of the Dhobi Khana complex may be involved on the development and maintenance of greenery in the campus.	PSCDL	Site Engineer & E & S officer	The expenditure should be met from the project cost

6	Socio-Economic Environment	Construction	<ul style="list-style-type: none"> • Failure to maintain good relation with the residents in the vicinity of the project site may create infructuous conflicts with them which will ultimately reflect on the smooth execution of the project. • During project execution, the washer men community will not able to undertake their profession. As results the income generation will get halted. 	<ul style="list-style-type: none"> • Maintenance of good relation with local community will facilitate for smooth operation of the project and engagement of local persons in the project operations will also help to increase the progress of the project. • Providing of basic facilities to the workers will protect the health of the personnel. • In order to continue the profession of washer men without any stoppage, the contractor should undertake the work initially in one part of the site and left the other part to undertake the work by the community. As soon as the completion of work in one part area, the contractor may take up the work in the left out potion and community may be allowed to use the work completed potion to continue with their profession. 	PSCDL & Contract or	Site Engineer & PEPO	No cost
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7	Solid waste Environment	Construction	<p>Improper segregation, handing and disposal of solid waste generated during construction will have impact on the health and safety of personnel and on surface environment.</p> <p>Trespassing of rag pickers into site may lead to cause injuries / accidents.</p>	<p>Transportation of debris to the designated site.</p> <p>Usage of earth, sand and gravel for back filling of the earth.</p> <p>Disposal of other wastes by adopting precautionary measures. Restriction of entry of rag pickers into the solid waste yard with through security arrangement.</p>	PSCDL Contractor	Site Engineer	No cost
		Operation	<p>During operation, the domestic wastes generated from the Dhobi Khana complex will be deposited in the dust bins to be placed in the residential colony. The domestic waste collected should be transported to the designated site without any spillage on the surface.</p>	<p>Solid waste generated will be deposited in the dust bins and transported to the compost yard by the Municipal vendors on daily basis and adequate dust bins should be placed in common places of the Dhobi Khana complex to deposit the domestic waste.</p>	Municipality and PSCDL	Municipal Engineer & PSCDL Engineer	The cost for provision of dustbins shall be met from project cost

8	Transportation Environment	Construction	Transportation of construction equipments, transportation of construction material and construction waste will cause adverse impact on the existing traffic of that area as well as on the routine mobility of residents / students in the roads close to the site.	<p>To mitigate the issue, the mobilization of construction equipments and transportation of construction materials to the project sites shall be undertaken during late night times.</p> <p>The workers and residents of the site may be advised to adhere the traffic regulations while entering the site or moving out of the site.</p>	Contractor	Site Engineer	No cost
9	COVID-19 pandemic measures	Construction	Amid COVID-19 pandemic, the workers of the site may be infected	<p>In order to prevent spread of COVID-19 infection it is important that necessary measures should be adhered strictly which are as follows</p> <p>(i) The workers should be insisted to get vaccinated for COVID_19 and they should be engaged only after verifying the respective certificates</p> <p>(ii) Physical distancing of at least 6 feet to be followed as far as feasible.</p> <p>(Iii) Use of face covers/masks to be made mandatory.</p> <p>(iv) Frequent hand washing with soap (for at least 40-60 seconds) even when hands</p>	Contractor	Site Engineer	<p>0.05</p> <p>Expenditure may be met from contingency fund</p>

				<p>are not visibly dirty. Use of alcohol-based hand sanitizers (for at least 20 seconds) can be done wherever feasible</p> <p>(V)Respiratory etiquettes to be strictly followed. This involves strict practice of covering one's mouth and nose while coughing/sneezing with a tissue/handkerchief/flexed elbow and disposing off used tissues properly.</p> <p>(vi) Self-monitoring of health by all and reporting any illness at the earliest.</p> <p>(vii) Spitting shall be strictly prohibited.</p> <p>(viii) Installation & use of Aarogya Setu App shall be advised wherever feasible.</p>			
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3. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR THE PROJECT - COMPREHENSIVE DEVELOPMENT OF DHOBI KHANA AT RAMALINGA NAGAR, PUDUCHERRY.

Sl.no	Envt. / Social attribute		Potential E & S impacts	Mitigation measures	Responsibility		Cost estimates in Rs. (Cr.)
	Parameter	Aspect			Implementati ons	Supervision	
1	Project site / location Ramalinga Nagar, Vaithikuppam, Puducherry	Development of Dhobi Khana	Detailed below		PSCDL	Site Engineer and E &S officer & PEPO	1.72
2	Water Environment	Construction	<ul style="list-style-type: none"> The quality of the water of the existing bore well located inside the premises of Dhobi Khana is saline in nature and is unsuitable for laundry purposes. Owing to non-point discharge of sewage generated during construction may lead to stagnation 	<ul style="list-style-type: none"> In order to mitigate the issue, two or three water supply lines shall be extended from the public water supply system of that area to the Dhobi Khana complex and the water should be collected and stored in a sump and thereafter it should be pumped to the required washing yard points. The waste water generated during construction should be properly channelized and 	Pondicherry Municipality Contractor	Site Engineer & E &S officer Site Engineer & E &S officer	Cost for providing the required infrastructure will be included in the project cost/DPR. No cost

			And flooding on the surface of the Dhobi Khana complex which may cause disturbance to the project activities.	let into the nearby canal without any stagnation and flooding.			
		Operation	During operation, it is expected that around 25KLD of laundry wash water mixed with detergents may be generated and it should be let into nearby drain and also domestic waste water shall be generated from the residential units of the Dhobi Khana. If the waste water is not properly drained, it will lead to stagnation in the campus and pose health problem to the inmates of the dhobi khana.	The domestic waste water and the wash water should be properly channelized and let into nearby channel without any flooding and stagnation.	Contractor	Site Engineer & E&S officer	Cost of construction of drainage system shall be met from project cost

3	Air Environment	Construction	The dust emissions during construction activities will have impact on air quality environment and also have adverse impact on the health of the nearby residents.	Measures like sprinkling of water, covering of storage material and use of covering sheets should be done for trucks etc. may reduce the emissions.	Contractor	Site Engineer & E &S officer	No cost
		Operation	The emissions due to the vehicular movement may have slight impact on the air quality of the project site and will be insignificant.	No mitigation.	No	No	No cost
4	Noise Environment	Construction	During demolition and construction activities, noise levels may increase due to use of machineries and vehicles in the project area. Unloading of construction materials, fabrication activities, operation of power shovels etc. are also the source of noise during the construction phase. The increase in noise level have the risk of causing effect on the peaceful environment of that area.	Ambient noise level in the site may be reduced through maintenance of construction equipment and adoption of noise control measures. The workers may be protected from noise pollution by providing ear muffs to them working in noise zones located in the vicinity of the site should be kept closed at the time of peak noise to avoid the inflow of noise into the houses.	Contractor	Site Engineer & E &S officer	No cost

5	Biological Environment	Construction	Since the proposed project activities will not lead to habitat destruction or vegetation destruction, the project activities does not have any impact on biological environment.	No mitigation.	No	No	No cost
		Operation	Subsequent to the completion of project activities, plantation of tree saplings should be undertaken in the project site wherever possible to strengthen the biological environment.	Plantation of tree saplings should be undertaken in the area wherever possible. The residents of the Dhobi Khana complex may be involved on the development and maintenance of greenery in the campus.	PSCDL & Municipality	Site Engineer & E &S officer	The cost will be met from the project cost

6	Socio-Economic Environment	Construction	<ul style="list-style-type: none"> • Failure to maintain good relation with the residents in the vicinity of the project site may create infructuous conflicts with them which will ultimately reflect on the smooth execution of the project. • During project execution, the washer men community will not be able to undertake their profession. As a result, the income generation will be halted. 	<ul style="list-style-type: none"> • Maintenance of good relation with local community will facilitate for smooth operation of the project and engagement of local persons in the project operations will also help to increase the progress of the project. • Providing of basic facilities to the workers will protect the health of the personnel. • In order to continue the profession of washer men without any stoppage, the contractor should undertake the work initially in one part of the site and leave the other part to undertake the work by the community. As soon as the completion of work in one part area, the contractor may take up the work in the left out portion and the community may be allowed to use the work completed portion to continue with their profession. 	Contractor	Site Engineer & PEPO	No cost
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7	Solid waste Environment	Construction	<p>Improper segregation, handing and disposal of solid waste generated during construction will have impact on the health and safety of personnel and on surface environment.</p> <p>Trespassing of rag pickers into site may lead to cause injuries / accidents.</p>	<p>Transportation of debris to the designated site.</p> <p>Usage of earth, sand and gravel for back filling of the earth.</p> <p>Disposal of other wastes by adopting precautionary measures. Restriction of entry of rag pickers into the solid waste yard with through security arrangement.</p>	Contractor	Site Engineer & E &S officer	No cost
		Operation	<p>During operation, the domestic wastes generated from the Dhobi Khana complex shall be deposited in the dust bins to be placed in the Dhobi Khana complex. The domestic waste collected should be transported to the designated site without any spillage on the surface.</p>	<p>Solid waste collected in the dust bins should be transported to the compost yard by the Municipal vendors on daily basis.</p>	Municipality and PSCDL	Municipal Engineer & PSCDL Engineer	The cost for provision of dustbins shall be met from project cost

8	Transportation	Construction	Transportation of construction material and construction waste will cause adverse impact on the existing traffic of that area as well as on the routine mobility of residents / students in the roads close to the site.	<p>To mitigate the issue, the mobilization of construction equipment's and transportation of construction materials to the project sites shall be undertaken during late night times.</p> <p>The workers and residents of the site may be advised to adhere the traffic regulations while entering the site or moving out of the site.</p>	Contractor	Site Engineer	No cost
9	COVID-19 pandemic measures	Construction	Amid COVID-19 pandemic, the workers of the site may be infected	<p>In order to prevent spread of COVID-19 infection it is important that necessary measures should be adhered strictly which are as follows</p> <p>(i) The workers should be insisted to get vaccinated for COVID_19 and they should be engaged only after verifying the respective certificates</p> <p>(ii) Physical distancing of at least 6 feet to be followed as far as feasible.</p> <p>(Iii) Use of face covers/masks to be made mandatory.</p> <p>(iv) Frequent hand washing with soap (for at least 40-60 seconds) even when hands are not visibly dirty. Use of</p>	Contractor	Site Engineer	0.05 expenditure may be met from contingency fund

				<p>alcohol-based hand sanitizers (for at least 20 seconds) can be done wherever feasible</p> <p>(V)Respiratory etiquettes to be strictly followed. This involves strict practice of covering one's mouth and nose while coughing/sneezing with a tissue/handkerchief/flexed elbow and disposing off used tissues properly.</p> <p>(vi) Self-monitoring of health by all and reporting any illness at the earliest.</p> <p>(vii) Spitting shall be strictly prohibited.</p> <p>(viii) Installation & use of AarogyaSetu App shall be advised wherever feasible.</p>			
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4. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR THE COMPREHENSIVE DEVELOPMENT OF DHOBI KHANA AT MARAPALAM, MUDALIARPET, PUDUCHERRY

Sl.no	Envt. / Social attribute		Potential E & S impacts	Mitigation measures	Responsibility		Cost estimates in Rs.(Cr.)
	Parameter	Aspect			Implementati ons	Supervision	
1	Project site / location Marapalam, Mudaliarpet, Puducherry.	Development of Dhobi Khana	Detailed below		PSCDL	Site Engineer E &S officer PEPO	3.25
2	Water Environment	Construction	Owing to non-point discharge of sewage generated during construction may lead to stagnation and flooding on the surface of the Dhobi Khana complex. Which may cause disturbance to the project works.	The waste water generated during construction should be properly channelized and let into the nearby canal without any stagnation and flooding.	Contractor	Site Engineer & E &S officer	No Cost.
		Operation	During operation, it is expected that around 40 KLD of laundry wash water mixed with detergents may be generated and it would be let into nearby drain as	In order to treat the waste water generated from washing yard at Dhobi Khana, an appropriate treatment plant should be constructed and the treated water should be reused for	Contractor	Site Engineer and E&S officer	Cost of construction of treatment plant and drainage system will be covered

			waste and also domestic waste water will be generated from the residential units of Dhobi Khana complex.	gardening and cleaning purposes. The excess of treated water will be let into the nearby drain, also the domestic waste water should be diverted through proper drain to the nearby sewerage channel without any flooding and stagnation.			in the project estimate/ DPR.
3	Air Environment	Construction	The dust emissions during construction activities will have impact on air quality environment and have adverse impact on the health of the nearby residents.	Measures like sprinkling of water, covering of storage material and use of covering sheets should be done for trucks etc. may reduce the emissions.	Contractor	Site Engineer & E &S officer	No cost
		Operation	The emissions due to the vehicular movement may have slight impact on the air quality of the project site and will be insignificant.	No mitigation.	No	No	No cost

4	Noise Environment	Construction	During demolition and construction activities, noise levels may increase due to use of machineries and vehicles in the project area. Unloading of construction materials, fabrication activities, and operations of power shovels etc. are also the source of noise during the construction phase. The increase in noise level will have the risk of causing effect on the peaceful environment of the project site.	Ambient noise level in the site may be reduced through maintenance of construction equipment and adoption of noise control measures. The workers may be protected from noise pollution by providing ear muffs to them working in noise zones. The door and windows of the houses located in the vicinity of the site should be kept closed at the time of peak noise to avoid the inflow of noise into the houses.	Contractor	Site Engineer and E &S officer	No cost
5	Biological Environment	Construction	Since the proposed project activities will not lead to habitat destruction or vegetation destruction, the project activities does not have any impact on biological environment.	No mitigation.	No	No	No cost
		Operation	Subsequent to the completion of project activities, plantation of tree saplings should be undertaken in the project sitewherever possible to strengthen the biological environment.	Plantation of tree saplings should be undertaken in the area wherever possible. The residents of the Dhobi Khana complex may be involved on the development and maintenance of greenery in the campus.	PSCDL & Municipality	Site Engineer and E &S officer	The cost shall be met from project cost

6	Socio-Economic Environment	Construction	<ul style="list-style-type: none"> • Failure to maintain good relation with the residents in the vicinity of the project site may create infructuous conflicts with them which will ultimately reflect on the smooth execution of the project. • During project execution, the washer men community will not able to undertake their profession. As results the income generation will get halted. 	<ul style="list-style-type: none"> • Maintenance of good relation with local community will facilitate for smooth operation of the project and engagement of local persons in the project operations will also help to increase the progress of the project. • Providing of basic facilities to the workers will protect the health of the personnel. • In order to continue the profession of washer men without any stoppage, the contractor should undertake the work initially in one part of the site and left the other part to undertake the work by the community. As soon as the completion of work in one part area, the contractor may take up the work in the left out portion and community may be allowed to use the work completed portion to continue with their profession. 	Contractor	Site Engineer & PEPO	No cost
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7	Solid waste Environment	Construction	<p>Improper segregation, handing and disposal of solid waste generated during construction will have impact on the health and safety of personnel and on surface environment.</p> <p>Trespassing of rag pickers into site may lead to cause injuries / accidents.</p>	<p>Transportation of debris to the designated site.</p> <p>Usage of earth, sand and gravel for back filling of the earth.</p> <p>Disposal of other wastes by adopting precautionary measures. Restriction of entry of rag pickers into the solid waste yard with through security arrangement.</p>	Contractor	Site Engineer	No cost
		Operation	<p>During operation, the domestic wastes generated from the Dhobi Khana complex will be deposited in the dust bins to be placed in the residential colony. The domestic waste collected should be transported to the designated site without any spillage on the surface.</p>	<p>Solid waste generated will be deposited in the dust bins and transported to the compost yard by the Municipal vendors on daily basis and adequate dust bins should be placed in common places of the Dhobi Khana complex to deposit the domestic waste.</p>	Municipality and PSCDL	Municipal Engineer & PSCDL Engineer	The cost for provision of dustbins shall be met from project cost

8	Transportation Environment	Construction	Transportation of construction equipments, transportation of construction material and construction waste will Cause adverse impact on the existing traffic of that area as well as on the routine mobility of residents / students in the roads close to the site.	<p>To mitigate the issue, the mobilization of construction equipments and transportation of construction materials to the project sites shall be Undertaken during late night times.</p> <p>The workers and residents of the site may be advised to adhere the traffic regulations while entering the site or Moving out of the site</p>	Contractor	Site Engineer	No cost
10	COVID-19 pandemic measures	Construction	Amid COVID-19 pandemic, the workers of the site may be infected	<p>In order to prevent spread of COVID-19 infection it is important that necessary measures should be adhered strictly which are as follows</p> <p>(i) The workers should be insisted to get vaccinated for COVID_19 and they should be engaged only after verifying the respective certificates</p> <p>(ii) Physical distancing of at least 6 feet to be followed as far as feasible.</p> <p>(Iii) Use of face covers/masks to be made mandatory.</p> <p>(iv) Frequent hand washing with soap (for at least 40-60 seconds) even</p>	Contractor	Site Engineer	0.5 expenditure may be met from contingency fund

				<p>when hands are not visibly dirty. Use of alcohol-based hand sanitizers (for at least 20 seconds) can be done wherever feasible</p> <p>(V)Respiratory etiquettes to be strictly followed. This involves strict practice of covering one's mouth and nose while coughing/sneezing with a tissue/handkerchief/flexed elbow and disposing off used tissues properly.</p> <p>(vi) Self-monitoring of health by all and reporting any illness at the earliest.</p> <p>(vii) Spitting shall be strictly prohibited.</p> <p>(viii) Installation & use of AarogyaSetu App shall be advised wherever feasible.</p>			
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5. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR FISH MARKET, NETAJI NAGAR-II

Sl.no	Envt. / Social attribute		Potential E & S impacts	Mitigation measures	Responsibility		Cost estimates in Rs.
	Parameter	Aspect			Implement-ations	Supervision	
1	Project site / location	Construction	Location of the fish market site is at Netaji Nagar- II and belongs to the Port Authority (Govt. Land)	NOC is in the process of issuing by the Port Authority in order to set the project in motion.	PSCDL	No	NIL
2	Land	Construction	There is no land acquisition involved in the project activity.	There is no resettlement and rehabilitation for the project activity.	Contractor, PSCDL	PSCDL	No cost
3	Water	Construction	Owing to non-point discharges of sewage generated during construction will have impact on ground water quality if it leaches into ground.	The waste water generated during construction should be properly channelized and let into the nearby canal safely. The other waste oil, debris etc shall be collected and disposed safely to avoid the insitu soil pollution.	Contractor	Site Engineer and E &S officer	No cost
4	Air	Construction	The dust emissions during construction activities will have impact on air quality environment and encompass minimal impact on the health of the nearby residents and the people who navigate by the region.	Measures like sprinkling of water, covering of storage material and use of covering sheets should be done for trucks etc, may reduce the emissions.	Contractor	Site Engineer and E &S officer	No cost

5	Noise	Construction	During construction activities, noise levels will increase due to use of machineries and vehicles in the project area. Loading and unloading of construction materials, fabrication, handling of equipment and material, operations of power shovels etc. will be the major source of noise during the construction phase. The increases in noise level will have considerable risk on the residents and passer-by.	Ambient noise level in the site may be reduced through maintenance of construction equipments and adoption of noise control measures. The workers may be provided with protective gear.	Contractor	Site Engineer and E &S officer	No cost
6	Biological	Construction	Since the proposed project activities will not lead to habitat destruction or vegetation destruction, the project activities does not have any major impact on biological environment.	No mitigation.	No	No	No cost
7	Socio-Economic	Construction	Failure to maintain good relation with the residents in the vicinity of the project site may create unnecessary conflicts with them which will ultimately reflect on the smooth execution of the project.	Maintenance of good relation with local community will facilitate for smooth operation of the project and engagement of local persons in the project operations will also help to increase the progress of the project. Providing of basic facilities to the workers will protect the health of the personnel.	Contractor	Site Engineer and PEPO	No cost

8	Solid waste	Construction	<p>Improper segregation, handing and disposal of solid waste generated during construction will have impact on the health and safety of personnel and on surface environment.</p> <p>Trespassing of rag pickers into site may lead to cause injuries / accidents.</p>	<p>Transportation of debris to the dump site. Usage of earth, sand and gravel for back filling of the earth. Restriction of entry of rag pickers into the solid waste yard with through security Arrangement.</p>	Contractor, PSCDL.	Site Engineer	No cost, Dust bins to be provided by the respective Municipalities/ PSCB.
9	Transportation	Construction	<p>Transportation of construction equipments, and materials and construction waste will cause adverse impact on the existing traffic of that area as well as on the routine mobilization of residents / students in the roads close to the site.</p>	<p>To mitigate the issue, the mobilization of construction equipments and transportation of construction materials to the project sites shall be undertaken during late night times.</p> <p>The workers and residents of the site may be advised to adhere the traffic regulations while making their way in or out of the site.</p>	Contractor	Site Engineer	No cost

Annexure D

AFD's Statement of Integrity

Statement of Integrity, Eligibility and Social and Environmental Responsibility

Reference name of the bid or proposal: *"Our Neighbourhood is Your Neighbourhood Too"* (The "Contract")

Name of the work: Development of Housing and Livelihood Infrastructure in Low Income

Settlement in Puducherry

To: Puducherry smart city development limited (The "Contracting Authority")

1. We recognise and accept that *Agence Française de Développement* ("AFD") only finances projects of the Contracting Authority subject to its own conditions which are set out in the Financing Agreement which benefits directly or indirectly to the Contracting Authority. As a matter of consequence, no legal relationship exists between AFD and our company, our joint venture or our suppliers, contractors, subcontractors, consultants or subconsultants. The Contracting Authority retains exclusive responsibility for the preparation and implementation of the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
2. We hereby certify that neither we nor any other member of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations:
 - 2.1) Being bankrupt, wound up or ceasing our activities, having our activities administered by the courts, having entered into receivership, reorganisation or being in any analogous situation arising from any similar procedure;
 - 2.2) having been:
 - a. convicted within the past five years by a court decision, which has the force of *res judicata* in the country where the Contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract (in the event of such conviction, you may attach to this Statement of Integrity supporting information showing that this conviction is not relevant in the context of this Contract);
 - b. subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where we are constituted, for fraud,

corruption or for any other offense committed during a procurement process or performance of a contract (in the event of such sanction, you may attach to this Statement of Integrity supporting information showing that this sanction is not relevant in the context of this Contract);

c. convicted within the past five years by a court decision, which has the force of *res judicata*, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;

- 2.3) Being listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
- 2.4) Having been subject within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;
- 2.5) Not having fulfilled our fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where we are constituted or the Contracting Authority's country;
- 2.6) Being subject to an exclusion decision of the World Bank and being listed on the website <http://www.worldbank.org/debarr> (in the event of such exclusion, you may attach to this Statement of Integrity supporting information showing that this exclusion is not relevant in the context of this Contract);
- 2.7) Having created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of this Contract.
3. We hereby certify that neither we, nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations of conflict of interest:
- 3.1) Being an affiliate controlled by the Contracting Authority or a shareholder controlling the Contracting Authority, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
- 3.2) Having a business or family relationship with a Contracting Authority's staff involved in the procurement process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
- 3.3) Being controlled by or controlling another bidder or consultant, or being under common control with another bidder or consultant, or receiving from or granting subsidies directly or indirectly to another bidder or consultant, having the same legal representative as another bidder or consultant, maintaining direct or indirect contacts with another bidder or consultant which allows us to have or give access to information contained in the respective applications, bids or proposals, influencing them or influencing decisions of the Contracting Authority;

- 3.4) Being engaged in a consulting services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the Contracting Authority;
- 3.5) In the case of procurement of goods, works or plants:
- i. Having prepared or having been associated with a consultant who prepared specifications, drawings, calculations and other documentation to be used in the procurement process of this Contract;
 - ii. Having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract;
4. If we are a state-owned entity, and to compete in a procurement process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.
5. We undertake to bring to the attention of the Contracting Authority, which will inform AFD, any change in situation with regard to points 2 to 4 here above.
6. In the context of the procurement process and performance of the corresponding contract:
- 6.1) We have not and we will not engage in any dishonest conduct (act or omission) deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate someone's consent, to make them circumvent legal or regulatory requirements and/or to violate their internal rules in order to obtain illegitimate profit;
- 6.2) we have not and we will not engage in any dishonest conduct (act or omission) contrary to our legal or regulatory obligations or our internal rules in order to obtain illegitimate profit;
- 6.3) We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to (i) any Person who holds a legislative, executive, administrative or judicial mandate within the State of the Contracting Authority regardless of whether that Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the Person occupies, (ii) any other Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service, or (iii) any other person defined as a Public Officer by the national laws of the Contracting Authority's country, an undue advantage of any kind, for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity;
- 6.4) We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to any Person who occupies an executive position in a private sector entity or works for such an entity, regardless of the nature of his/her capacity, any undue advantage of any kind, for himself or another Person or entity for such Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations;
- 6.5) We have not and we will not engage in any practice likely to influence the contract award process to the detriment of the Contracting Authority and, in particular, in any anti-competitive practice having for object or for effect to prevent, restrict or distort competition, namely by limiting access to the market or the free exercise of competition by other undertakings;

6.6) Neither we nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or sub consultants shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or France;

6.7) We commit ourselves to comply with and ensure that all of our suppliers, contractors, subcontractors, consultants or sub consultants comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the environmental and social commitment plan (ESCP) provided by the Contracting Authority.

7. We, as well as members of our joint venture and our suppliers, contractors, subcontractors, consultants or sub consultants authorise AFD to inspect accounts, records and other documents relating to the procurement process and performance of the contract and to have them audited by auditors appointed by AFD.

Name: _____ In the capacity of: _____

Duly empowered to sign in the name and on behalf of¹: _____

Signature: _____ Dated: _____

¹ In case of joint venture, insert the name of the joint venture. The person who will sign the application, bid or proposal on behalf of the applicant, bidder or consultant shall attach a power of attorney from the applicant, bidder or consultant.