

TECHNICAL CHECKLIST FOR ROOFTOP SOLAR PV

PROJECT: IPP Kendari Rooftop Solar PV 350 kWac

Rev : 1
Date: 12-06-2024

NO.	JOB DESCRIPTION	QTY	EPC	DSSP	Remarks
A	Scope of Work :	1 lot			
1	Engineering of the Rooftop Solar PV, including but not limited to Detail Engineering Design, Engineering Calculation, Technical Data Sheet, Manufacturing Drawing, Construction Drawing, and As-Built Drawing		√		
2	Procurement of the Rooftop Solar PV Main Equipment (SNI Standard), including accessories and connection cable. All the material shall be referred to Government regulations and applicable Standard and Codes		√		Permen ESDM No.2 Year 2024
3	Construction of the Rooftop Solar PV and its accessories, including but not limited to equipment installation, cable pulling, laying and termination, system testing and commissioning, SLO certification, and other works required by the Government regulations and applicable Standards and Codes		√		
4	License and permit that is required and mandatory for the Rooftop Solar PV installation		√		Permen ESDM No.2 Year 2024
5	Project Management including but not limited to daily, weekly, and monthly progress reporting, Project Schedule, Project Execution Plan, Project Administration, material delivery schedule and movement, manpower loading, HSE implementation, etc		√		
6	The total installed capacity is 350 kWac		√		
7	The electricity power generated from the Rooftop Solar PV will not be sent out to the PLN grid, but it will connect to the auxiliary system through 0,4 kV MCC 150 kV. The Contractor shall ensure that the system installation met this requirement and there will be no power exported to PLN grid		√		
B	General Requirement, Safety, and Work Environment Concerns	1 lot			
1	EPC Turnkey Project		√		According to the ToR
2	Business License and any other kinds of permit required by the Laws and Regulations for the Contractor		√		
3	Contractor (temporary) office, accommodation, meals, and transport		√		
4	Mobilization and demobilization of manpower, tools, materials and equipment		√		
5	HSE campaign and equipment including SMK2 implementation during the project		√		
6	Quality Control including but not limited to Factory Acceptance Test, Site Acceptance Test, Inspection Test Plan, Inspection Form, etc		√		
7	All the risk to the Contractor's employee, including but not limited to labor/manpower of injury, incidents, sickness, fatality, etc. will be on Contractor's responsibility		√		
8	Contractor shall follow DSSP HSE regulation		√		
9	All Contractor workers or employee must be insured according to Government regulation (minimum is BPJS Ketenakerjaan)		√		
10	The Contractor shall keep the cleaning working area (daily basis) and after all the work finished		√		
11	The Contractor shall complete the project based on the approved schedule, including the necessary arrangement of overtime without additional cost		√		
12	Site Join Inspection		√	√	
13	For main equipment and accessories, the Contractor shall submit the proposal to DSSP for approval prior to delivery to the Site. All the supporting documents such as Product Certificated, etc shall be attached along with the proposal		√		
14	The building rooftops that will be installed with Rooftop Solar PV as mentioned on the ToR are (1) Admin Building, (2) Canteen & Functional Hall Building, (3) Indoor Game Building (4) Dormitory #2 Building and (5) Dormitory #1 Building		√		
C	Project Schedule and Completion				
1	Complete installation and commissioning including Performance Test of (3) Three months after the Notice to Proceed (NTP)		√		
2	Site Inspection and Project Kick-off Meeting one week after Notice to Proceed issued by DSSP		√		
3	Work Coordination and Meetings in regular basis		√	√	
4	In any case of Force Majeure condition, the Contractor shall not / can not pose a complaint/penalty to DSSP if such case affects the project, and the project might be held or discontinued by DSSP		√		
D	Consumables & Spare parts	1 lot			
1	The Contractor should provide all materials, including spare parts and consumables for the project. The Contractor shall ensure such goods are available and adequate during the project.		√		
E	Tools	1 lot			
1	The Contractor shall provide and prepare all necessary tools (general and special tools) for the project. The Contractor shall ensure all the tools are available and adequate during the project.		√		
F	Manpower	1 lot			
1	The Contractor shall submit the manpower planning and loading one week after the project Kick-off Meeting and shall include but not be limited to the project manager, engineer, supervisor, technician, helper, etc. The Contractor shall ensure such allocation of manpower are sufficient to complete the works as per the approved schedule.		√		
G	Guarantees and Responsibility	1 lot			
1	The Contractor shall guarantee that the works and services will be performed by professionals and experienced supervisors and manpower. DSSP can request the certification of such persons, especially for HSE.		√		
2	DSSP will accept the Project after the Unit works properly and meets the performance requirement, which can satisfy normal and stable operation condition according to the scope of work.		√		According to the ToR
3	The Contractor must respond to DSSP within 24 hours if there are any abnormal or problems during construction or commissioning.		√		
4	(2) Two Years Warranty		√		According to the ToR
5	Operation Worthiness Certificate ("SLO")		√		
6	After Sales Service and Technical Assistance during the Warranty Period		√		
H	Inspection and Documentation	1 lot			
1	Compilation of Inspection and Testing records		√		(3) set of hardcopy and (1) set of softcopy
2	Join Inspection Report		√	√	
3	Performance Test Report		√		