

**EXTERNAL ELECTRICAL WORKS FOR BUKIT NANAS, AMPANG INTAKE, CHERAS MILE 11 AND
SG SERAI WTPs**

SCHEDULE OF PARTICULAR D - SG. SERAI WTP

Item No.	Description	Tender Specification	Tenderer's Particular
1	FEEDER PILLAR		
A	Weatherproof Metalclad Feeder Pillar Manufacturer / Make: Country of Origin / Manufacture: Type Test: Rated Voltage (V): Panel Thickness Framework Thickness Ingress Protection	To Offer To Offer To Offer 230/400 14SWG/2.0mm 12SWG/2.5mm IP56	
B	Copper Busbars Normal Rated Current (A) Dimension (mm) Insulation Type	32A/63A/100A/300A 25mm x 3mm Tinned copper bars	
C	Main Switch Board (MSB) / Sub Switch Board (SSB) Manufacturer Local Agent Panel Thickness Framework Thickness Panel Finishing	To Offer To Offer 14SWG/2.0mm 12SWG/2.5mm Form 3B	
D	Over Current Earth Fault Relay Manufacturer Country of Origin Over current Type and Setting (%) Earth fault Type and Setting (%) Electromechanical or Static Type	To Offer To Offer To Offer To Offer To Offer	
E	Digital Power Meter Manufacturer Country of Origin Local Agent Type/Model Standard/Technical Specification Rated Current (A) Auxiliary Supply Voltage (V) Communication	To Offer To Offer To Offer To Offer To Offer To Offer To Offer To Offer	

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Item No.	Description	Tender Specification	Tenderer's Particular
1	FEEDER PILLAR (Cont'd)		
F	Distribution Board Manufacturer Local Agent Panel Thickness Framework Thickness Degree of Protection (Indoor) Degree of Protection (Outdoor)	To Offer To Offer 14SWG/2.0mm 12SWG/2.5mm IP41 IP54	
G	Miniature Case Circuit Breaker (MCCB) Manufacturer Country of Manufacture Local Agent Model No. Standard To Which Manufactured	To Offer To Offer To Offer To Offer IEC 60947-2	
H	Miniature Circuit Breaker (MCB) Manufacturer Country of Manufacture Local Agent Model No. Standard To Which Manufactured	To Offer To Offer To Offer To Offer IEC 60947-2	
I	Fuse Manufacturer Country of Manufacture Local Agent Model No. Rated Voltage (V)	To Offer To Offer To Offer To Offer To Offer	
J	Ammeter Manufacturer Country of Manufacture Local Agent Model No.	To Offer To Offer To Offer To Offer	
K	Voltmeter Manufacturer Country of Manufacture Local Agent Model No.	To Offer To Offer To Offer To Offer	

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1	FEEDER PILLAR (Cont'd)		
L	Contactor Manufacturer Country of Manufacture Local Agent Model No. Rated Voltage (V)	To Offer To Offer To Offer To Offer 230/400	
M	By-Pass Switch Manufacturer Country of Manufacture Local Agent Model No. Standard Specification	To Offer To Offer To Offer To Offer To Offer BS 5419	
N	Time Switch Manufacturer Country of Manufacture Local Agent Model No. Rated Voltage (V) Rated Current (A) Spring Working Reserve (Hours) Frequency (Hz)	To Offer To Offer To Offer To Offer To Offer 230 16 24hours 50Hz	
O	Surge Protection device (SPD) Manufacturer / Make: Country of Origin / Manufacture: Model/Type: Standard To Which Manufactured Rated Voltage (kV): Short Circuit Current Withstand (ISSCR) Respon Time (ns)	Schneider, Erico (Critec), ABB, Furse, Novaris & Obo Betterman or equivalent To Offer To Offer To Offer IEC 61643-11:2011 To Offer To Offer To Offer	

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Item No.	Description	Tender Specification	Tenderer's Particular
1	FEEDER PILLAR (Cont'd)		
P	13A Switch Socket Outlet (Inside Feeder Pillar) Manufacturer Country of Manufacture Local Agent Rated Amps (A) IP Rating	To Offer To Offer To Offer 13A IP54	
Q	Flourescent Light (Inside Feeder Pillar) Manufacturer Country of Manufacture Local Agent Model No. Wattage	To Offer To Offer To Offer To Offer 18W	

Note:

- (i) To attach catalogue with SPAN/ SIRIM/ IKRAM certification, if available.
- (ii) All warranties shall commence from the date of CPC and shall not less than DLP.

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Signature and Official
Stamp of Tenderer

Date :