**SR. DEE G** /**SRC** acting for and on behalf of The President of India invites E-Tenders against Tender No **Elect-OT-25-26-SPP2-29** Closing Date/Time 12/11/2025 10:30 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

### 1. NIT HEADER

Name of Work	Santragachi: Supply, Insta Jurisdiction (Phase 2)	· · · ·							
Bidding type	Normal Tender								
Tender Type	Open	Bidding System	Two Packet System						
Tender Closing Date Time	12/11/2025 10:30	Date Time Of Uploading Tender	18/10/2025 12:35						
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable						
Advertised Value	149707778.57	Tendering Section	GENERAL						
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par						
Earnest Money (Rs.)	898500.00	Validity of Offer ( Days)	60						
Tender Doc. Cost (Rs.)	0.00	Period of Completion	12 Months						
Contract Type	Works - General	Contract Category	Expenditure						
Bidding Start Date	29/10/2025	·	-						
Are JV allowed to bid	Yes	Number of JV Member Allowed	3						
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0						
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)						

## 2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit		
Sched	ule () A-Resid	lential buildi	ng (11 to 50	O KW)			48255931.14			
	SUPPLY	10.00	Numbers	504989.10	5049891.00	AT Par	5049891.00			
1	<b>Description:-</b> "Supply , Installation, commissioning and testing of 11 KWp ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules) inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."									
	SUPPLY	5.00	Numbers	550897.20	2754486.00	AT Par	2754486.00			
2	Description:- "Supply , Installation, commissioning and testing of 12KWp ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."									
	SUPPLY	20.00	Numbers	596805.30	11936106.00	AT Par	11936106.00			
3	<b>Description:-</b> "Supply , Installation, commissioning and testing of 13KWp ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules) inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs. "									
	SUPPLY	8.00	Numbers	688621.50	5508972.00	AT Par	5508972.00			
	Description:- "Supply , Installation, commissioning and testing of 15KWp ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and module inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit break connectors/ junction box, mounting structure, earthing, lightening arrester, and civil wor installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. Tabove benchmark costs are excluding of net metering cost and battery back-up costs."									
4	installation	& commissi	oning, CMC	for 5 years, t	ransportation, in	nsurance,	applicable taxes			

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jantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g., cable, switches/ circuit breads of the babve benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers   918162.00   918162.00   AT Par  918162.00   AT Par  918162.00    Description: Supply installation, commissioning and testing of 20KWp DNGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation,insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00   Numbers   1147702.50   1147702.50   AT Par  1147702.50   Description: "Supply installation, commeisioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 4.00   Numbers   1249200.00   4996800.00   AT Par  4996800.00   Description:-Supply installation, commissioning and testing of 30 KWp ONGrid solar power plant file and produced to the control of th	ı	
inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMc for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00   Numbers   918162.00   918162.00   AT Par   918162.00   Description: Supply, installation, commissioning and testing of 20XWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00   Numbers   1147702.50   Descriptions: Supply, Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark costs of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 4.00   Numbers   1249200.00   4996800.00   AT Par   4996800.00   Description: Supply, installation, commissioning and testing of 30 kWp ONGrid solar power plant The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 500.00   Metre 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs. Su		<b>Description:</b> "Supply , Installation, commissioning and testing of 18 KWp ONGrid solar power
connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 1.00 Numbers 918162.00 J 918162.00 At Par 9 18162.00 J Par 9 18162.00 D Pascription: Supply installation, commissioning and testing of 20KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 1147702.50 1147702.50 AT Par 1147702.50 D Description: "Supply Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works. installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.00 AP6800.00 AT Par 1996800.00 provided p	5	
installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.*  SUPPLY 1.00   Numbers   918162.00   918162.00   AT Par   918162.00    Description: Supply   Installation, commissioning and testing of 20NWo ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00   Numbers   1147702.50   1147702.50   AT Par   1147702.50    Description:- "Supply , Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction science of neutrologic system e.g. cable, switches/ circuit breaker connectors/ junction science of neutrologic system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting system cost and battery back-up costs.  SUPPLY 4.00   Numbers   1249200.00   4996800.00   AT Par   4996800.00    Description:- Supply , Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 9.00.00   Metre   70.00   3500000.00   AT Par   3500000.00    Description:- Supply of LT. Aluminium Armoured and PVC sheatthed stranded ALPE cable of size 4 (core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to 15: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 9.00		
SUPPLY 1.00 Numbers 918162.00 918162.00 AT Par 918162.00 Description: Supply , Installation, commissioning and testing of 20KWp ONGrid solar power plant the above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 1147702.50 1147702.50 AT Par 1147702.50 Description: "Supply , Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.00 AT Par 9498600.00 AT Par 9498000.00 AT Par 94980000.00 AT Par 9498000.00 AT Par 94980000.00 AT Par 94980		installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The
Description: Supply Installation, commissioning and testing of 20KWp ONGrid solar power powers of the protection of the		above benchmark costs are excluding of net metering cost and battery back-up costs. "
The above benchmark cost includes cost of solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit break process. Psychology of the part of the pa		SUPPLY 1.00 Numbers 918162.00 918162.00 AT Par 918162.00
Single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.    SUPPLY		Description:- Supply , Installation, commissioning and testing of 20KWp ONGrid solar power plant
connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 1147702.50 1147702.50 AT Parl 1147702.50    Description: "Supply, Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3) phase wherever applicable), balance or system e.g., cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.00 4996800.00 AT Parl 4996800.00    Description: Supply, Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.00 AT Parl 350000.00 Description: Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 120 Sq mm 1100 Volts Grade. IS No. 7098-Parl-1, 1988, with amendment No. 1 and 2 and 3 Reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Parl 156000.00 Description: Supply of LT. Aluminium Armoured and PVC sheathed Stranded Cable of Size 4 Core x 15 Sqmm for working voltage up to & including 1100 Volts Confirming	_	The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter
installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 1147702.50 1147702.50 AT Par 1147702.50 Description: "Supply, Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.00 4996800.00 AT Par 4996800.00 Description: Supply, Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 3500000.00 AT Par 1196700.00 Description: Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 190.00 145000.00 AT Par 156000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed Stranded XLPE cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3	6	
above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 1147702.50 1147702.50 AT Par 1147702.50    Description: "Supply, Installation, commissioning and testing of 25 KWp ONGrid solar power plant from the provided of the		
SUPPLY 1.00 Numbers 1147702.50 1147702.50 AT Par 1147702.50    Description: "Supply. Installation, commissioning and testing of 25 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker (connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 124920.00 4996800.00 AT Par 4996800.00    Description: Supply, Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 3500000.00 AT Par 3500000.00  Description: Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 IS Confirming to IS: 7098 Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 690.00 345000.00 AT Par 156000.00 Description: Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 15 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  SUPPLY 5000.00 Metre 690.00 345000.00		
Description: "Supply Installation, commissioning and testing of 25 KWp OMGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil work, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 124920.00 4996800.00 AT Par 4996800.00 Description:- Supply , Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.00 AT Par 3500000.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 120 Sq mm 1100 Volts Grade. IS No. 7098-Part.1, 1988, with amendment Number 1 and 2 and 3 Reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed Stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part.1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 345000.00 AT Par 156000.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with am		
The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), investicable, balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxis, exct. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.001 4996800.000 AT Par 4996800.000 Description:- Supply, installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), investig (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil work installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, ect. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.000 AT Par 3500000.000  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 196700.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 600.01 156000.00 AT Par 3450000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 1500.00 Metre 600.01 Second AT Par 3450000.00  Descriptio		
(single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.00 4996800.00 AT Par 4996800.00 Description:- Supply, Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.00 AT Par 3500000.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed Stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 345000.00 AT Par 155000.00 Description:- Laying of cable / cables in under ground along the road through cable tre		
connectors/ junction box, mounting structure, earthing, lightening arrester, and civil work, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 1249200.00 4996800.00 AT Par 4996800.00 Description:- Supply, Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), investing (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil work, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.00 AT Par 3500000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 196700.00 Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 withamendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 156000.00 AT Par 156000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  ERECTION 1500.00 Metre 690.00 345000.00 AT Par 3450000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 wi	7	
above benchmark costs are excluding of net metering cost and battery back-up costs."  SUPPLY 4.00 Numbers 124920.00 4996800.00 AT Par 4996800.00 Description:- Supply , Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ cricruit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.00 AT Par 3500000.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmn for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00 Expeription:- Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 345000.00 AT Par 185000.00 Excription:- Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 2000 A Bear 123.93 B859700.00 AT Par 1859700.00 Excription:- Laying of cable / cables in under gro		connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works,
SUPPLY   4.00   Numbers   1249200.00   A996800.00   AT Par   A996800.00		
Description:- Supply   Installation, commissioning and testing of 30 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable, works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.    SUPPLY		
The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   5000.00   Metre   700.00   3500000.00   AT Par   3500000.00    Description: Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x 120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 Reaffirmed 2005 or latest.  SUPPLY   6000.00   Metre   199.45   1196700.00   AT Par   1196700.00    Description: Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY   6000.00   Metre   260.00   1560000.00   AT Par   1560000.00    Description: Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY   5000.00   Metre   690.00   3450000.00   AT Par   3450000.00    Description: Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or latest.  ERECTION   15000.00   Metre   690.00   345000.00   AT Par   1859700.00    Description: Laying of cable / cables in under ground along the road through cable trench etc. as a per standard drawing including necessary termination, connection of the cables including filing of space between brick and cable/c		
(single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 350000.00 AT Parl 3500000.00 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Parl 1196700.00 Description: Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Parl 1560000.00 Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Parl 3450000.00 Description: Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 1500.00 Metre 123.98 185970.00 AT Parl 3450000.00 Description: Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.		
connectors/ junction box, mounting structure earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   5000.00   Metre   700.00   3500000.00   AT Par   3500000.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY   6000.00   Metre   199.45   1196700.00   AT Par   1196700.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY   6000.00   Metre   260.00   1560000.00   AT Par   1560000.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY   5000.00   Metre   690.00   3450000.00   AT Par   3450000.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or latest.  ERECTION   15000.00   Metre   690.00   3450000.00   AT Par   1859700.00    Description:- Laying of cable / cables in under ground along the road through cable trench etc. as per standard drawing including necessary termination, connection and testing. Tenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling	8	
installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 3500000.00 AT Par 3500000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x 120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 345000.00 AT Par 345000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00 Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with wecessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00 Description:- Laying of	J	
above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 5000.00 Metre 700.00 3500000.00 AT Par 3500000.00  Pescription:- Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00  Description:- Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00  Description:- Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00  Description:- Supply of LT. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of		
Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x 120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 150000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00 Description:- Laying of cable / cables in under ground along the road through cable trench etc. as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00 Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as		
Core xi20 Sq mm i100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 3450000.00 Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing.Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00 Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing . Cost also includes c		SUPPLY 5000.00 Metre 700.00 3500000.00 AT Par 3500000.00
Core xi20 Sq mm i100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 6000.00 Metre 199.45 1196700.00 AT Par 1196700.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 3450000.00 Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing.Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00 Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing . Cost also includes c	0	Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4
SUPPLY   6000.00   Metre   199.45   1196700.00   AT Par   1196700.00	9	Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3
Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing.Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing . Cost also includes collection of cable/cables from Railway store if required. Bescent through PVC casing pipe of size 4inches or 3inches with accessories or as per site requirement with suitable		reaffirmed 2005 or latest.
Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 6000.00 Metre 260.00 1560000.00 AT Par 1560000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00 Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0 .40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00 Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.Gl pipe will be supplied by contractor.  ERECTION 5000.00 Metre 85.26 426300.00 AT Par 426300.00 Description:- Supply of HDPE pipe of size 110 mm Diameter PE 100 to complete job. Make-Any IS/ISO Approved.  ERECTI		SUPPLY         6000.00         Metre         199.45         1196700.00         AT Par         1196700.00
Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988	10	Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4
SUPPLY   6000.00   Metre   260.00   1560000.00   AT Par   1560000.00		Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988
Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc. as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.  ERECTION 500.00 Metre 85.26 426300.00 AT Par 426300.00  Description:- Laying of cable/ cables on wall / structure through PVC casing pipe of size 4inches or 3inches with accessories or as per site requirement with suitable clamp / saddle/ fixtures etc with necessary termination, connection and testing as per standard drawing.Cost also includes collection of cable/cables from Railway s		
Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 15000.00 Metre 123.98 1859700.00 AT Par 1859700.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.  ERECTION 5000.00 Metre 85.26 426300.00 AT Par 426300.00  Description:- Laying of cable/ cables on wall / structure through PVC casing pipe of size 4inches or 3inches with accessories or as per site requirement with suitable clamp / saddle/ fixtures etc with necessary termination, connection and testing as per standard drawing.Cost also includes collection of cable/cables from Railway store if required.  SUPPLY 2000.00 Metre 265.00 530000.00 AT Par 530000.00  Description:- Supp		
with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 5000.00 Metre 690.00 3450000.00 AT Par 3450000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 1500.00 Metre 123.98 1859700.00 AT Par 1859700.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc. as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.  ERECTION 500.00 Metre 85.26 426300.00 AT Par 426300.00  Description:- Laying of cable/ cables on wall / structure through PVC casing pipe of size 4 inches or 3inches with accessories or as per site requirement with suitable clamp / saddle/ fixtures etc with necessary termination, connection and testing as per standard drawing.Cost also includes collection of cable/cables from Railway store if required.  SUPPLY 2000.00 Metre 265.00 53000.00 AT Par 530000.00  Description:- Supply of HDPE pipe of size 110 mm Diameter PE 100 to complete job. Make-Any IS/ISO Approved.  ERECTION 200	11	<b>Description:-</b> Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4
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	Description			ssioning of HDI	PE pipe with all a	accessorie	s to complete jo	b.
	SUPPLY	52.00	Numbers	5704.12	296614.24	AT Par	296614.24	
18	Pipe in Pipe	technology)	complete	with 50 mm di	mmissioning of a and 3.0 Mtr. lo 15mtr. Gl wire (a	ong Mild S	teel Earth Pope	s , back fill
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedi	<b>ıle</b> () B-Servi	ce building (	(11 to 50 K)	W)			31080155.18	
Jenear	SUPPLY	1.00			550897.20	AT Par		
					g and testing of	1		
1	above benc (single/3 ph connectors/ installation	hmark cost nase where junction b & commission	includes cover applications, mount onling, CMC	ost of Solar PV able), balance ting structure, for 5 years, t	y and testing or  / panels (with d  of system e.g  , earthing, ligh  ransportation, in	lomestic c g. cable, ntening a nsurance,	ell and module switches/ circu rrester, and c applicable taxe	s), inverter it breaker/ ivil works,
	SUPPLY	2.00						
2	above benc (single/3 ph connectors/ installation	hmark cost nase where junction b & commission	includes cover applications, mount onling, CMC	ost of Solar PV able), balance ting structure, for 5 years, t	g and testing of panels (with double of system e.good, lighter), lighter ransportation, lighter, lig	13KWp ON lomestic of the capter of the capte	NGrid solar power lell and module switches/ circu rrester, and c applicable taxe	er plantThe s), inverter it breaker/ ivil works,
	SUPPLY	2.00			1377243.00	1		
3	Description above benc (single/3 ph connectors/ installation	n:- Supply, I hmark cost nase where junction b & commission	nstallation, includes cover applications, mount oning, CMC	commissioning ost of Solar Pv able), balance ting structure, for 5 years, t	g and testing of panels (with d of system e.g earthing, ligh ransportation, in	15KWp ON lomestic constitution of the constitu	NGrid solar powerell and module switches/ circurrester, and capplicable taxe	er plantThe s), inverter it breaker/ ivil works,
	SUPPLY	2.00	Numbers	826345.80	1652691.60	AT Par	1652691.60	
4	above benc (single/3 ph connectors/ installation	hmark cost nase where junction b & commission	includes cover applications, mount onling, CMC	ost of Solar PV able), balance ting structure, for 5 years, t	g and testing of a panels (with do not of system e.g., earthing, lightransportation, in this cost and ba	lomestic c g. cable, ntening a nsurance,	ell and module switches/ circu rrester, and c applicable taxe	s), inverter it breaker/ ivil works,
	SUPPLY	4.00	Numbers	918162.00	3672648.00	AT Par	3672648.00	
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	SUPPLY	2.00	Numbers	1147702.50	2295405.00	AT Par	2295405.00	
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	SUPPLY	3.00	Numbers	1377243.00	4131729.00	AT Par	4131729.00	
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13					the road, trac Omm (or any sui			
	based on th	e actual size	e of the cab	le) as per rele	vant specificatio	n and as	per standard dra	awing with
					.Cost also inclu	des collec	ction of cable/ca	ables fron
				be supplied b		AT D- ::	127000 00	
	ERECTION	1500.00		85.26	127890.00		127890.00	
.4					tructure through nent with suitabl			
					per standard dra			
	cable/cables	from Railwa	ay store if re	equired.				
	SUPPLY	500.00	Metre	265.00	132500.00	AT Par	132500.00	
.5	Descriptio IS/ISO Appro		of HDPE pip	e of size 110	mm Diameter	PE 100 to	complete job.	Make-An
16	ERECTION	500.00		38.91	19455.00		19455.00	
	Description	n:- Erection	and commis	sioning of HDI	PE pipe with all a	ccessorie	s to complete jol	o.
	SUPPLY	7.00		5704.12	39928.84		39928.84	
L7					mmissioning of r			
					a and 3.0 Mtr. lo .5mtr. GI wire (a <sub>l</sub>			
	compound e	ic. as per re	ilevant spec	incacion with 1	.Sind. Gi wile (a)	Jp10x.) 10	each earth con	С.
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
ched	ule () D-LC ga	ates ( less th	an and equ	al to 10 KW)			7622863.80	
	SUPPLY	34.00	Numbers	56337.75	1915483.50	AT Par	1915483.50	
	Descriptio	n:- Supply	, Installatio	n, commissio	ning and testing	g of 01	KWp ONGrid so	lar powe
					Solar PV panels			
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	labove benci	nmark costs	are excludi	na of net mete	ring cost and bat	tterv back	-up costs.	
		1			ring cost and bat			
	SUPPLY	11.00	Numbers	103590.90	1139499.90	AT Par	1139499.90	
	SUPPLY <b>Description</b>	11.00 <b>1:-</b> Supply, I	Numbers nstallation,	103590.90 commissioning	1139499.90 g and testing of (	AT Par 2KWp ON	1139499.90 IGrid solar powe	r plantTh
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	ERECTION	4000.00	Metre	85.26	341040.00	AT Par	341040.00	
	Description	n:- Laying o	f cable/ cab	les on wall / s	tructure throug	h PVC cas	ing pipe of size	4inches or
9							/ saddle/ fixture	
					per standard dr	awing.Cost	t also includes co	ollection of
		from Railwa		•	T	1		1
	SUPPLY	1000.00		265.00			265000.00	
10			of HDPE pip	e of size 110	mm Diameter	PE 100 to	o complete job.	Make-Any
	IS/ISO Appro					1		1
11	ERECTION	1000.00		38.91	38910.00		38910.00	
	<u> </u>			sioning of HD	PE pipe with all a	accessorie	s to complete jol	b.
	SUPPLY	45.00	Numbers	5704.12	256685.40	AT Par	256685.40	
12							nce free earthing	
							teel Earth Popes	
	compound	tc. as per re	levant spec	ification with .	15mtr. GI wire (a	ipprox.) fo	r each earth con	e
S.No.	Item Code	Item Oty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding
3.110.	item code	item Qty	Qty Ome	Ome Rate	Busic Value	Listin(70)	Amount	Unit
Sched	ule () E-Statio	on(less than	and equal t	o 10 KW)			4043074.57	
	SUPPLY	2.00		56337.75	112675.50	AT Par	112675.50	
							NGrid solar powe	
							ell and modules	
1							switches/ circui	
	connectors/	junction b	ox, mount	ing structure	, earthing, ligi	ntening a	rrester, and ci	vil works,
							applicable taxes	s, etc. The
		nmark costs			ring cost and ba		c-up costs.	
	SUPPLY	1.00	Numbers	103590.90	103590.90	AT Par	103590.90	
							IGrid solar powe	
2							ell and modules	
2							switches/ circui <sup>,</sup> rrester, and ci	
							applicable taxes	
					ering cost and ba			.,
	SUPPLY	3.00	Numbers	155386.35	466159.05	AT Par	466159.05	
	Description	1:- Supply. I					NGrid solar powe	
	above benc	hmark cost	includes co	st of Solar P\	panels (with c	lomestic c	ell and modules	s), inverter
3							switches/ circui	
							rrester, and ci	
							applicable taxes	s, etc. The
	+	1			ring cost and ba			1
	SUPPLY	3.00						
							ONGrid solar po	
4							cell and modules switches/ circui	
							rrester, and ci	
							applicable taxes	
					ring cost and ba			
	SUPPLY	1.00	Numbers	393724.80	393724.80	AT Par	393724.80	
	Description	n:- Supply, I	nstallation,	commissionin	g and testing o	of 08 KWp	ONGrid solar po	ower plant
_	The above b	enchmark c	ost includes	cost of Solar	PV panels (with	domestic	cell and modules	s), inverter
5							switches/ circui	
							rrester, and ci	
							applicable taxes	s, etc. The
					ering cost and ba			
	SUPPLY	1.00				<u> </u>		
							ONGrid solar po	
							cell and modules	
6							switches/ circui <sup>,</sup> rrester, and ci	
							applicable taxes	
					ering cost and ba			

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**Tender No:** Elect-OT-25-26-SPP2-29 **Closing Date/Time:** 12/11/2025 10:30

	connectors/ installation	junction b & commission	ox, mounti oning, CMC are excludir	ng structure, for 5 years, t	of system e.g earthing, ligh ransportation, in ring cost and ba 246078.00	ntening ar nsurance, attery back	rester, and ci applicable taxes	t breake vil work
	above bencl	hmark cost	includes co	st of Solar PV	panels (with d	omestic ce	ell and modules	), invert
-	SUPPLY  Description	ı:- Supply, I	nstallation, o	commissioning	621545.40 and testing of (	O3 KWp ON	621545.40 IGrid solar powe	r plantTh
1	above bench		are excludir		ring cost and ba	ttery back	-up costs.	
	installation a	& commission	oning, CMC	for 5 years, t	earthing, ligh ransportation, in	nsurance,	applicable taxes	
	(single/3 ph	iase where	ver applical	ole), balance	of system e.g	. cable, s	witches/ circui	t breake
					and testing of by anels (with d			
L	SUPPLY	2.00		103590.90	207181.80	l l	207181.80	n nlant
				d equal to 10			5165768.64	
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Biddin Unit
	compound e	tc. as per re	ievant speci	ilcation with 1	.omtr. Gi wire (a	pprox.) for	each earth con	e 
					a and 3.0 Mtr. lo .5mtr. GI wire (a			
		ı:- Supply,ir	stallation, t		mmissioning of	maintenan		
	SUPPLY	11.00		5704.12	62745.32		62745.32	
5 -	ERECTION Description			38.91	19455.00 PE pipe with all a		19455.00	<u> </u>
	IS/ISO Appro	ved. 500.00	Motro	20.01	10455.00	AT Do	10455.00	
			of HDPE pip	e of size 110	mm Diameter	PE 100 to	complete job.	Make-A
	SUPPLY	500.00		265.00	132500.00	AT Par	132500.00	
	necessary to cable/cables				per standard dra	awing.Cost	also includes co	nection
					nent with suitab			
					tructure through			
	ERECTION	1000.00		85.26	85260.00	AT Par	85260.00	
				and testing be supplied b	.Cost also inclu	ides collec	tion of cable/ca	ables fro
_	based on the	e actual size	of the cab	e) as per rele	vant specification	n and as p	oer standard dra	wing wi
					the road, trac mm (or any su			
	ERECTION	500.00		283.82	141910.00	1	141910.00	
	rammed.					T T		
	with sand a				ed soil, leveling			
					inimum 0.40 mt			
_	per standard	d drawing in	cluding nec	essary termin	ation , connecti	on and tes	sting.Trenching a	and layir
					ground along the	l l		ch etc
	ERECTION	nent numbe	er Tand 2 an Metre	123.98	d 2005 or latest. 185970.00		185970.00	
·	Core x 95 S	qmm for wo	rking voltag	e upto & inclu	iding 1100 Volts	Confirmin		
L					d and PVC shea	l l		e of size
	SUPPLY	500.00		690.00	345000.00		345000.00	
					ıding 1100 Volts d 2005 or Latest		g to 15: 7098 Pa	art-1 198
					d and PVC shea			
	SUPPLY	1000.00	Metre	260.00	260000.00	AT Par	260000.00	
					2005 or Latest.		19 10 13. 703011	ant I 15t
					d and PVC sheauding 1100 Volt			
-	SUPPLY	1000.00	Metre	199.45	199450.00	1	199450.00	
	reaffirmed 2	005 or lates						
	SUPPLY					1		o of cia
	Description		Supply o		Supply of L.T. Aluminium Armoure	Supply of L.T. Aluminium Armoured and PVC she	Supply of L.T. Aluminium Armoured and PVC sheathed stra	500.00 Metre 700.00 350000.00 AT Par 350000.00  Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cabl  nm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 an

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11 12 13 14 S.No.	confirming to based on the necessary to Railway store ERECTION  Description 3 inches with necessary to cable/cables SUPPLY  Description IS/ISO Approx ERECTION  Description SUPPLY  Description Pipe in Pipe compound experiments of the compound of the compound experiments of the compo	e actual size ermination, the if required 1500.00 n:- Laying of accessorie ermination, to from Railwa 500.00 n:- Supply coved.  500.00 n:- Erection 12.00 n:- Supply, in technology) etc. as per reliable to the content of the content	Metre f cable/ cables or as per connection a ay store if re Metre of HDPE pip  Metre and commis  Numbers nstallation, to complete velevant spec	85.26 les on wall / s r site requiren and testing as equired.  265.00 le of size 110  38.91 sioning of HDF 5704.12 testing and co with 50 mm di	y contractor.  127890.00 tructure throughent with suitabper standard dra  132500.00 mm Diameter  19455.00 PE pipe with all a 68449.44 mmissioning of a and 3.0 Mtr. Ic. 5mtr. GI wire (a	AT Par PE 100 to AT Par	127890.00 ng pipe of size / saddle/ fixture calso includes co 132500.00 complete job. 19455.00 s to complete jol 68449.44 nce free earthing teel Earth Popes	awing with ables from the self of the self
11 12 13	confirming to based on the necessary to Railway store ERECTION  Description  3 inches with necessary to cable/cables  SUPPLY  Description  ERECTION  Description  ERECTION  Description  SUPPLY  Description  SUPPLY  Description  Output  Description  Description  Description  Output  Description  Description  Output  Descript	e actual size ermination, e if required  1500.00  n:- Laying or n accessorie ermination, or from Railwa  500.00  n:- Supply or ved.  500.00  n:- Erection  12.00  n:- Supply,in technology) etc. as per re	f.GI pipe will Metre f cable/ cab es or as per connection a ay store if re Metre of HDPE pip  Metre and commis Numbers nstallation, to complete velevant spec	85.26 les on wall / s r site requiren and testing as equired.  265.00 le of size 110  38.91 sisioning of HDF 5704.12 lesting and co with 50 mm di- ification with 1	y contractor.  127890.00 tructure throughnent with suitabper standard dra  132500.00 mm Diameter  19455.00 PE pipe with all a 68449.44 mmissioning of a and 3.0 Mtr. Ic. 5mtr. GI wire (a	AT Par PE 100 to AT Par	127890.00 ng pipe of size / saddle/ fixture : also includes co 132500.00 o complete job. 19455.00 s to complete jol 68449.44 nce free earthing teel Earth Popes r each earth con	awing with ables from 4 dinches of the set of the with able the set of the with a set of the set of
11 12 13	confirming to based on the necessary to Railway store ERECTION  Description 3 inches with necessary to cable/cables SUPPLY  Description IS/ISO Approvements ERECTION Description SUPPLY  Description SUPPLY Description Pipe in Pipe	e actual size ermination, e if required 1500.00  n:- Laying o n accessorie ermination, o from Railwa 500.00  n:- Supply o oved. 500.00  n:- Erection 12.00  n:- Supply,ir technology)	f.GI pipe will  Metre f cable/ cab es or as per connection a ay store if re  Metre of HDPE pip  Metre and commis  Numbers installation, to complete vi	85.26 les on wall / s r site requiren and testing as equired.  265.00 le of size 110  38.91 sioning of HDF 5704.12 testing and co with 50 mm di	y contractor.  127890.00 tructure throughent with suitabper standard dra  132500.00 mm Diameter  19455.00 PE pipe with all a 68449.44 mmissioning of a and 3.0 Mtr. lo	AT Par PE 100 to AT Par	127890.00 ng pipe of size / saddle/ fixture calso includes co 132500.00 complete job. 19455.00 s to complete jol 68449.44 nce free earthing teel Earth Popes	awing with ables from 4 dinches of the set o
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11	confirming to based on the necessary to Railway store ERECTION  Description 3 inches with necessary to cable/cables SUPPLY  Description IS/ISO Appro ERECTION  Description	e actual size ermination, e if required 1500.00 n:- Laying o n accessorie ermination, o from Railwa 500.00 n:- Supply o oved. 500.00 n:- Erection	I.GI pipe will  Metre f cable/ cab es or as per connection a ay store if re  Metre of HDPE pip  Metre and commis	85.26 les on wall / s r site requiren and testing as equired. 265.00 le of size 110 38.91 ssioning of HDR	y contractor.  127890.00 tructure throughent with suitabper standard dra  132500.00 mm Diameter  19455.00 PE pipe with all a	AT Par PVC casi le clamp , awing.Cost  AT Par PE 100 to  AT Par accessories	127890.00 ng pipe of size / saddle/ fixture calso includes co 132500.00 complete job. 19455.00 s to complete jol	awing with ables from 4 dinches case etc with collection case Make-Andreas de la case de
11	confirming to based on the necessary to Railway store ERECTION  Description 3 inches with necessary to cable/cables SUPPLY  Description IS/ISO Approx	e actual size ermination, the if required 1500.00 n:- Laying on accessorie ermination, to from Railwa 500.00 n:- Supply coved.	f.GI pipe will  Metre f cable/ cab es or as per connection a ay store if re  Metre of HDPE pip	85.26 les on wall / s site requiren and testing as equired. 265.00 le of size 110	y contractor.  127890.00 tructure throughnent with suitabper standard dra  132500.00 mm Diameter	AT Par n PVC casi le clamp , awing.Cost AT Par PE 100 to	127890.00 ng pipe of size / saddle/ fixture : also includes co 132500.00 o complete job.	awing with ables from 4 dinches case etc with ablection case Make-An
11	confirming to based on the necessary to Railway store ERECTION  Description 3 inches with necessary to cable/cables  SUPPLY  Description IS/ISO Approximations of the second statement of the second s	e actual size ermination, e if required 1500.00 n:- Supply coved.	f.GI pipe will  Metre f cable/ cab es or as per connection a ay store if re  Metre of HDPE pip	85.26 les on wall / s site requiren and testing as equired. 265.00 le of size 110	y contractor.  127890.00 tructure throughnent with suitabper standard dra  132500.00 mm Diameter	AT Par n PVC casi le clamp , awing.Cost AT Par PE 100 to	127890.00 ng pipe of size / saddle/ fixture : also includes co 132500.00 o complete job.	awing with ables from the second second with able the second seco
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	confirming to based on the necessary to Railway store ERECTION  Description  3 inches with necessary to	e actual size ermination, e if required 1500.00 n:- Laying on accessorie ermination, o	Metre  f cable/ cables or as perconnection a	85.26 les on wall / s site requiren and testing as	y contractor. 127890.00 tructure throughent with suitab	AT Par n PVC casi le clamp	127890.00 ng pipe of size / saddle/ fixture	awing with ables from 4 dinches cases etc.
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10	confirming to based on the necessary to Railway stor	e actual size ermination, e if required 1500.00	I.GI pipe will Metre	85.26	y contractor. 127890.00	AT Par	127890.00	awing witables fro
10	confirming t based on th necessary t Railway stor	e actual size ermination, e if required	I.GI pipe will		y contractor.			awing wit
10	confirming t based on th necessary t	e actual size ermination,		no cunnical b				awing wi
LO	confirming t			and testing	.Cost also inclu			
		n is standa			)mm (or any su vant specificatio			eguireme
	Descriptio				the road, trac	k, drain		
	ERECTION	500.00	Metre	283.82	141910.00	AT Par	141910.00	
	necessary b	ricks for pro	tection of th	ne cables inclu	iding filling of speed soil, leveling	ace betwe	een brick and ca	able/cable
9					ation , connection			
		<b>1:-</b> Laying o	f cable / cal	oles in under o	ground along the	e road thr	ough cable tren	ch etc . a
	ERECTION	2000.00		123.98	247960.00	AT Par	247960.00	
3	Core x 95 S	qmm for wo	rking voltag	e upto & inclu	iding 1100 Volts d 2005 or latest.			
		500.00		690.00 nium Armoure	345000.00 ed and PVC shea		345000.00 E stranded cable	
	with amend				345000 00		345000 00	<u> </u>
7	Core x 35 S	qmm for wo	rking voltag	e upto & inclu	iding 1100 Volts	Confirmir		
_	SUPPLY	1500.00		260.00	390000.00 ed and PVC shea		390000.00 E stranded cable	
	withamendn	nent numbe	r 1and 2 and	d 3 Reaffirmed	2005 or Latest.			
6					d and PVC sheauding 1100 Volt			
	SUPPLY	1500.00	1	199.45	299175.00	l l	299175.00	
	reaffirmed 2	005 or lates	it.					
5					ed and PVC she 3-Part-1, 1988, v			
	SUPPLY	500.00		700.00	350000.00	_	350000.00	
					ring cost and ba			ı
	installation	& commission	oning, CMC	for 5 years, t	ransportation, ir	nsurance,	applicable taxes	
4					of system e.g earthing, ligh			
4	The above b	enchmark c	ost includes	cost of Solar	PV panels (with	domestic (	cell and modules	s), inverte
	Description				g and testing o	ļ		l
	SUPPLI	nmark costs 5.00		ng of net mete 393724.80			up costs. 1968624.00	ı
	above bench SUPPLY		oning, CMC	for 5 years, t	ransportation, ir	nsurance,	applicable taxes	
	installation above bench	& commission	MOLINE		of system e.g			
	connectors/ installation above bench	junction b & commission			PV panels (with			

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above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), invertee (single/3) phase wherever applicable), balance of system e.g. cable, switchey circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 4.00 Numbers 155386.33 621545.40 AT Par 6 21545.40  Description:- Supply installation, commissioning and testing of 03 kWb ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules) inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 47.00 Numbers 246078.00 1156566.00 AT Par 1156566.00  Description:- Supply, Installation, commissioning and testing of 05 kWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), invertee (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 3.30.0 Numbers 393724.80 12992918.40 AT Par 12992918.40 installation & commissioning, cMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00.0 Metre 700.0 Numbers 446400.00 AT Par 219390.00 Descrip	1	<b>Description:-</b> Supply , Installation, commissioning and testing of 02KWp ONGrid solar power plantThe
above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 4.00 Numbers   155386.35   621545.40   AT Par   621545.40    Description: Supply   installation, commissioning and testing of 03 KWp ONGrid solar powe plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules) interter (single/2) phase wherever applicable), balance of system e.g., cable, switches/ circumpresson constallation, or commissioning, CMC for 5 years, transportation, insurance applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 47.00 Numbers   246078.00   11565666.00   AT Par   11565666.00    Description: Supply   Installation, commissioning and testing of 05 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   33.00 Numbers   393724.80   12992918.40   AT Par   12992918.40   Description: Supply   Installation, commissioning and testing of 08 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker (single/3 phase wherever appl	-	above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works,
Description: Supply Installation, commissioning and testing of 03 kWp ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules) inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMF for 5 years, transportation, insurance, applicable bases, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 47.00 Numbers 246078.00 11565566.00 AT Par I 11565566.00    Description: Supply , Installation, commissioning and testing of 05 kWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 33.00 Numbers 393724.80 1299218.40 AT Par 1299218.40    Description:-Supply , installation, commissioning and testing of 08 kWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 446400.00   446400.00   47 Par 2 44640		above benchmark costs are excluding of net metering cost and battery back-up costs.
plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules) inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ cricuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   4.700  Numbers  246078.00  1156566.00  AT Par  11565666.00   Description:- Supply , Installation, commissioning and testing of 05 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable case, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   33.00  Numbers  393724.80  12992918.40  AT Par  12992918.40   Description:- Supply , Installation, commissioning and testing of 08 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applica		SUPPLY         4.00         Numbers         155386.35         621545.40         AT Par         621545.40
SUPPLY   47.00   Numbers   246078.00   11565666.00   AT Par   11565666.00     Description: Supply, Installation, commissioning and testing of 05 KWp OMGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g., cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.    SUPPLY   33.00   Numbers   393724.80   1292918.40   AT Par   1292918.40     Description: Supply   Installation, commissioning and testing of 08 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g., cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.    SUPPLY   1.00   Numbers   446400.00   446400.00   AT Par   446400.00     Description: Supply   Installation, commissioning and testing of 10 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g., cable, switches/ circuit breaker connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark cost are excluding of net metering cost and battery back-up costs.    SUPPLY   4000.00   Metre   700.00   2800000.00   AT Par   2900000.00	2	<b>Description:-</b> Supply , Installation, commissioning and testing of 03 KWp ONGrid solar power plantThe above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.
The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switchey, circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 33.00 Numbers 3397724.80   Zepsens 1299218.40   AT Par   12992918.40    Description:-Supply of Installation, commissioning and testing of 08 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   1.00   Numbers   446400.00   446400.00   AT Par   446400.00    Description:-Supply , Installation, commissioning and testing of 10 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY   4000.00   Metre   700.01   2800000.00   AT Par   2800000.00    Description:-Supply of LT. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 125 qmm ring to working voltage upto & including 1100 Volts Confirming to 1s: 7098 Part-1 1988 with ame		
SUPPLY   33.00   Numbers   393724.80   12992918.40   AT Par   12992918.40     Description:- Supply , Installation , commissioning and testing of 08 KWp ONGrid solar power plant	3	<b>Description:-</b> Supply, Installation, commissioning and testing of 05 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.
The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), invertee (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 1.00 Numbers 446400.00 446400.00 AT Par 446400.00 Description:- Supply, Installation, commissioning and testing of 10 KWp NORdrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), invertee (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrestra, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 4000.00 Metre 700.00 280000.00 AT Par 2800000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed Stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 11000.00 Metre 199.45 2193950.00 AT Par 2193950.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed Stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 11000.00 Metre 260.00 2860000.00 AT Par 2860000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  SUPPLY 4000.00 Metre 230.00 276000.00		
SUPPLY   1.00   Numbers   446400.00   A46400.00   AT Par   446400.00     Description:- Supply , Installation, commissioning and testing of 10 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverted (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.	4	<b>Description:</b> - Supply , Installation, commissioning and testing of 08 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.
The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker, connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.  SUPPLY 4000.00 Metre 700.00 2800000.00 AT Par 2800000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 11000.00 Metre 199.45 2193950.00 AT Par 2193950.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 11000.00 Metre 260.00 2860000.00 AT Par 2860000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00 Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  ERECTION 2000.00 Metre 123.98 2479600.00 AT Par 2479600.00 Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with ne		
SUPPLY 4000.00 Metre 700.00 2800000.00 AT Par 2800000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY 11000.00 Metre 199.45 2193950.00 AT Par 2193950.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 11000.00 Metre 260.00 2860000.00 AT Par 2860000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 2000.00 Metre 123.98 2479600.00 AT Par 2479600.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing.Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the	5	<b>Description:-</b> Supply, Installation, commissioning and testing of 10 KWp ONGrid solar power plant The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g. cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.
Core x 120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.  SUPPLY   11000.00   Metre   199.45   2193950.00   AT Par   2193950.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY   11000.00   Metre   260.00   2860000.00   AT Par   2860000.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY   4000.00   Metre   690.00   2760000.00   AT Par   2760000.00    Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.  ERECTION   2000.00   Metre   123.98   2479600.00   AT Par   2479600.00    Description:- Laying of cable / cables in under ground along the road through cable trench etc. as per standard drawing including necessary termination, connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION   2000.00   Metre   283.82   567640.00   AT Par   567640.00    Description:- Laying of cable / cables across the road, track, drain etc through RCC/Gl pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawin		
Description:- Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of size 4 Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 11000.00 Metre 260.00 2860000.00 AT Par 2860000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number land 2 and 3 Reaffirmed 2005 or latest.  ERECTION 2000.00 Metre 123.98 2479600.00 AT Par 2479600.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc. as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.	6	<b>Description:-</b> Supply of L.T. Aluminium Armoured and PVC sheathed stranded XLPE cable of siz 4 Core x120 Sq mm 1100 Volts Grade. IS No. 7098-Part-1, 1988, with amendment No. 1 and 2 and 3 reaffirmed 2005 or latest.
Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988 withamendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 11000.00 Metre 260.00 2860000.00 AT Par 2860000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 20000.00 Metre 123.98 2479600.00 AT Par 2479600.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.		
Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 2000.00 Metre 123.98 2479600.00 AT Par 2479600.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.	7	Core x 16 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098Part-1 1988
Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.  SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00  Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 20000.00 Metre 123.98 2479600.00 AT Par 2479600.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.		SUPPLY         11000.00         Metre         260.00         2860000.00         AT Par         2860000.00
Description:- Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.  ERECTION 2000.00 Metre 123.98 2479600.00 AT Par 2479600.00  Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.	8	<b>Description:-</b> Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 35 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or Latest.
Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1and 2 and 3 Reaffirmed 2005 or latest.    ERECTION   20000.00   Metre   123.98   2479600.00   AT Par   2479600.00		SUPPLY 4000.00 Metre 690.00 2760000.00 AT Par 2760000.00
Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.	9	<b>Description:-</b> Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts Confirming to IS: 7098 Part-1 1988 with amendment number 1 and 2 and 3 Reaffirmed 2005 or latest.
Description:- Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.  ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.		
ERECTION 2000.00 Metre 283.82 567640.00 AT Par 567640.00  Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.	10	<b>Description:-</b> Laying of cable / cables in under ground along the road through cable trench etc . as per standard drawing including necessary termination , connection and testing. Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly
Description:- Laying of cable / cables across the road, track, drain etc through RCC/GI piper confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.		
		<b>Description:-</b> Laying of cable / cables across the road, track, drain etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement
	11	necessary termination, connections and testing .Cost also includes collection of cable/cables from

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12	<b>Description:-</b> Laying of cable/ cables on wall / structure through PVC casing pipe of size 4inches or 3inches with accessories or as per site requirement with suitable clamp / saddle/ fixtures etc with necessary termination, connection and testing as per standard drawing.Cost also includes collection of cable/cables from Railway store if required.										
	SUPPLY	2000.00	Metre	265.00	530000.00	AT Par	530000.00				
13	<b>Description:-</b> Supply of HDPE pipe of size 110 mm Diameter PE 100 to complete job. Make-Any IS/ISO Approved.										
14	ERECTION	2000.00	Metre	38.91	77820.00	AT Par	77820.00				
14	<b>Description:-</b> Erection and commissioning of HDPE pipe with all accessories to complete job.										
	SUPPLY	85.00	Numbers	5704.12	484850.20	AT Par	484850.20				
15	SUPPLY 85.00 Numbers 5704.12 484850.20 AT Par 484850.20  Description:- Supply,installation, testing and commissioning of maintenance free earthing system Pipe in Pipe technology) complete with 50 mm dia and 3.0 Mtr. long Mild Steel Earth Popes, back fi compound etc. as per relevant specification with 15mtr. GI wire (approx.) for each earth cone										

#### 3. ITEM BREAKUP

No item break up added

#### 4. ELIGIBILITY CONDITIONS

Important All documents uploaded and remarks / confirmation entered by the bidders against anyeligibility condition shall be opened as part of technical bid only

### **Standard Financial Criteria**

S.No		Confirmation Required		Documents Uploading
1	The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees. N = Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of 'total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIB, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

### **Standard Technical Criteria**

S.No.		Confirmation Required		Documents Uploading
1	The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii) One similar work costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)
1.1	Substantially Completed Work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor's default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender.	No	No	Not Allowed

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1.2	Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience	No	No	Not Allowed
	certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.			
1.3	Defination of Similar Work :- SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SOLAR POWER GENERATING SYSTEM OF AT LEAST 5KWP CAPACITY	No	No	Not Allowed

## Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

## Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format	S.No.	Description
( Click here to download the Format of Self Certification)	1	<b>(LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer.

## 5. COMPLIANCE

Important All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

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## **Commercial-Compliance**

S.No.	Description	Confirmation		
S.No.	Performance Guarantee: As per Indian Railways Standard General Condition of Contract 2022. 16.(4) Performance Guarantee The procedure for obtaining Performance Guarantee is outlined below: (a) The successful bidder shall have to submit a Performance Guarantee (PG) within 21 (Twenty one) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 (Twenty one) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement.	Required		Documents Uploading
1	However, a penal interest of 12% per annum shall be charged for the delay beyond 21(Twenty one) days, i.e. from 22ndday after the date of issue of LOA. Further, if the 60thday happens to be a declared holiday in the concerned office of the Railway, submission of PG can be accepted on the next working day. In all other cases, if the Contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminated. In case contract is terminated railway shall be entitled to forfeit Bid Security and other dues payable to the contractor against that particular contract, subject to maximum of PG amount. In case a tenderer has not submitted Bid Security on the strength of their registration as a Startup recognized by Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect. The failed Contractor shall be debarred from participating in re-tender for that work. (b) The successful bidder shall submit the Performance Guarantee (PG) in any of the following forms, amounting to 5% of the original contract value:- (i) A deposit of Cash; (ii) Irrevocable Bank Guarantee; (iii) Government Securities including State Loan Bonds at 5% below the market value; (iv) Pay Orders and Demand Drafts tendered by any Scheduled Commercial Bank of India; (v) Guarantee Bonds executed or Deposits Receipts tendered by any Scheduled Commercial Bank of India; (vi) Deposit in the Post Office Saving Bank; (vii) Deposit in the National Savings	No	No	Not Allowed
	Certificates; (viii) Twelve years National Defence Certificates; (ix) Ten years Defence Deposits; (x) National Defence Bonds a n d (xi) Unit Trust Certificates at 5% below market value or at the face value whichever is less. Also, FDR in favour of FA&CAO (free from any encumbrance) may be accepted.			

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1.1	The Performance Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.G. shall be initially valid upto the stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the Contractor shall get the validity of P.G. extended to cover such extended time for completion of work plus 60 days. (d) The value of PG to be submitted by the Contractor is based on original contract value and shall not change due to subsequent variation(s) in the original contract value. (e) The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the Contractor has completed the work in all respects satisfactorily. (f) Whenever the contract is rescinded, the Performance Guarantee already submitted for the contract shall be encashed. (g) The Engineer shall not make a claim under the Performance Guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of: (i) Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer may claim the full amount of the Performance Guarantee. (ii) Failure by the Contractor to pay President of India any amount due, either as agreed by the Contractor or determined under any of the Clauses/Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer. (iii) The Contract being determined or rescinded under clause 62 of these conditions.	No	No	Not Allowed
2	Security Deposit: As per Indian Railways Standard General Condition of Contract 2022. 16.(1) Security Deposit: The Security Deposit shall be 5% of the contract value. The Bid Security submitted by the Contractor with his tender will be retained/encashed by the Railways as part of security for the due and faithful fulfilment of the contract by the Contractor. Provided further that, if Contractor submits the Cash or Term Deposit Receipt issued from a Scheduled commercial bank of India or irrevocable Bank Guarantee Bond from a Scheduled commercial bank of India, either towards the Full Security Depositor the Part Security Deposit equal to or more than Bid Security, the Railway shall return the Bid Security, to the Contractor. Balance of Security Deposit may be deposited by the Contractor in cash or Term Deposit Receipt issued from Scheduled commercial bank of India or irrevocable Bank Guarantee bond issued from Scheduled commercial bank of India, or may be recovered at the rate of 6% of the bill amount till the full Security Deposit is recovered. Provided also that in case of defaulting Contractor, the Railway may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained (including amount guaranteed through Performance Guarantee) may not exceed 10% of the total value of the contract. The Irrevocable Bank Guarantee submitted towards Security deposit shall be initially valid up to the stipulated date of Maintenance period plus 60 days and shall be extended from time to time, depending upon extension of contract granted in terms of Clause 17A and 17B of the Standard General Conditions of Contract. Note: Security Deposit deposited in cash by the Contractor or recovered from the running bills of a Contractor or submitted by contractor as Term Deposit Receipt(s) can be refunded/returned to the contractor, in lieu of irrevocable Bank Guarantee bond issued from scheduled commercial bank of India, to be submitted by him, for an amount equal to or more than the alr	No	No	Not Allowed

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	Refund of Security Deposit: Security Deposit mentioned in sub clause (1) above shall be returned to the Contractor along with or after, the following: (a) Final Payment of the Contract as per clause 51.(1) and (b) Execution of Final Supplementary Agreement or Certification by Engineer that Railway has No Claim on Contractor and (c) Maintenance Certificate issued, on expiry of the maintenance period as per clause 50.(1), in case applicable. 16. (2) (ii) Forfeiture of Security Deposit: Whenever the contract is rescinded as a whole under clause 62 (1) of these conditions, the Security Deposit already with railways under the contract shall be forfeited. However, in case the contract is rescinded in part or parts under clause 62 (1) of these conditions, the Security Deposit shall not be forfeited. 16.(3) No interest shall be payable upon the Bid Security and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of Sub Clause 16.(4) (b) of this clause will be payable with interest accrued thereon	No	No	Not Allowed
3	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

#### **General Instructions**

S.No.	Description	Confirmation Required		Documents Uploading
1	Shramikkalyan portal:- (i) Contractor is to abide by the provisions of various labour laws in terms of above clause 54,55, 55-A and 55-B of Indian Railways Standard General Conditions of Contract. In order to ensure the same, an application has been developed and hosted on website 'www.shramikkalyan.indianrailways.gov.in'. Contractor shall register his firm/company etc. and upload requisite details of labour and their payment inthis portal. These details shallbe available in public domain. The registration /updation in Portal shall be done as under: (a)Contractor shall apply for one time registration of his company/firm etc. in the Shramikkalyan portal with requisite details subsequent to issue of Letter of Acceptance. Engineer shall approve the contractor's registration in the portal within 7 days of receipt of such request. (b)Contractor once approved by any Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all Letter of Acceptances (LoAs)issued in his favour. (c)The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LoAs)/ Contract Agreements on shramikkalyan portal within 15 days of issue of any LoA for approval of concerned Engineer. Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request. (d)After approval of LoA by Engineer, contractor shall fill the salient details of contract labours engaged in the contract and ensure updating ofeach wage payment to them on shramikkalyan portal on monthly basis. (e)It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour & payments made thereof after each wage period. (ii)While processing payment of any'On Account Bill' or 'Final Bill' or release of 'Advances' or 'Performance Guarantee / Security deposit', contractor shall submit a certificate to the Engineer or Engineer's representatives that "I have uploaded the correct details of contract l	No	No	Not Allowed
2	Please read the Explanatory note for detail description of work, their make etc and all other attached documents before submission of Tender.		No	Not Allowed

## **Special Conditions**

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S.No.	Description	Confirmation Required		Documents Uploading
1	The tenderer should make offer duly considering obligation to pay minimum wages ESIC & EPF (as per Central Govt. applicable rate/norms during currency of contract) further duly considering the cost of material, T&P and M&P items required for contract execution. Offer shall also include all other taxes and duties (if applicable) including GST.	No	No	Not Allowed
1.1	Before processing of agreement contractor shall submit their declaration on ESIC & EPF status.	No	No	Not Allowed
2	The Contractor and all personnel employed by him shall pay all statutory taxes like income tax as are payable under statutory laws of India and the Railway will not accept any liability for the same	No	No	Not Allowed
3	Income Tax:- Income Tax @ 2.0% or as applicable at the time of billing shall be deducted from the contractor's bill.	No	No	Not Allowed
4	All documents uploaded in documents section of this tender are part and parcel of this tender.	No	No	Not Allowed
5	All the terms and conditions given in this tender document, all uploaded documents and terms and conditions given if GCC of works 2022 shall be applicable. In case of any conflict, former (terms and condition of this tender document) shall prevail the later (GCC of works 2022). A copy of GCC of works 2022 is attached in the document tab	No	No	Not Allowed
6	Consignee: SSE/IR Niyantrak, SSE/Power/SRC , SSE/Power/SHM or Representative of person nominated by Sr.DEE(G)/SRC shall be the consignee of the work.	No	No	Not Allowed
7	Contractor has to replace all items failed during the warranty period free of cost. If the items valuing more 10% of the contract value failed during warranty period, then the full amount of SD to be recovered on account of underperformance.		No	Not Allowed
8	Warranty period will be 60 (Sixty) months from the date of completion of the work. Any defects, if arises during the warranty period contractor will be responsible to rectify or replace as the case may be at the discretion of the Railway Administration. Security deposit will be refunded/ released after successful completion of the warranty period.	No	No	Not Allowed

## **Technical-Compliances**

S.No.	Description	Confirmation Required		Documents Uploading
1	GST implemented from 1st july'2017. All the bidder should attach GST registration certificate, Tenderer has to fulfill GST Compliance as per Govt. norms. GST will levied as per instruction circulated time to time.	No	No	Allowed (Mandatory)
2	Mandate form should be uploaded as per attached format in document tab.	No	No	Allowed (Mandatory)
3	PAN Card: Tenderers are required to upload their Permanent Account Number (PAN) card	No	No	Allowed (Mandatory)
4	Contact details of tenderer: The Contractor shall submit their complete official address, e-mail address, telephone no., mobile no. and fax no. so that necessary communication can be made by the Railways as and when required.	No	No	Allowed (Mandatory)
5	Employment/Partnership etc. of Retired Railway Employees: Detailed vide para 16 of Annexure-I of GCC 2022.	No	No	Not Allowed
5.1	Certificate of Information regarding Employment/ Partnership etc. of Retired Railway Employees with the tenderer is to be mandatorily submitted as per format attached in document section. Non submission of the same shall led to rejection of the tender	No	No	Allowed (Mandatory)
6	Mention status of firm: Individual Firm / Proprietorship Firm / Partnership Firm /Private Ltd. Firm / Public Ltd. Firm OR Government Undertaking.		No	Allowed (Mandatory)

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7	The rate quoted by the tenderer should be inclusive of all Taxes, labour charges, loading, unloading, material handling, Transportation, etc., as applicable and all other charges liveable by the Govt. from time to time. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates and ITC of GST if any shall be passed on to the Railway	No	No	Not Allowed
8	Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer	No	No	Not Allowed
9	"Compliance to Regulations and Bye-Laws [GCC Clause 3.(2)] Statutory requirement of " valid Electrical Contractor License along with valid Electrical Supervisory License/Certificate issued from Central Govt./any Sate Govt. for the working voltage ,related to the work valid throughout the contract period" is also applicable for execution of the works by successful bidder in addition to the Statutory requirements as applicable.	No	No	Allowed (Mandatory)

### **Undertakings**

S.No.	•	Confirmation Required		Documents Uploading
1	The submission of a Tender by a tenderer shall be deemed to imply and taken as indicating that he has read, understood and abided by the conditions stated in this tender along with all terms and condition in all uploaded documents and Indian Railways Standard General Condition Of Contract 2022 including correction slips thereto up to the date of opening of Tenders	No	No	Not Allowed

## 6. Documents attached with tender

S.No.	Document Name	Document Description
1	ANNEXURE-VIB.pdf	Form VI B
2	PaymentPenalty-Clausedt9-8-2025.pdf	Payment terms and conditions
3	JPOfordiggnigwork.pdf	JPO FOR DIGGNIG WORK
4	AdvanceCorrectionSlipNo.2.pdf	Advance Correction Slip No 2
5	GCC_April-2022_2022_CE-I_CT_GCC- 2022_POLICY_27_04_22.pdf	GCC 2022
6	GCC-2022Correctionslip1.pdf	GCC2022 Correction slip 1
7	GeneralConditions.pdf	General Conditions
8	${\sf Technical\_Specifications\_and\_OM\_SRC.pdf}$	Tech spec Opn Maint schedule
9	ExplanatoryNoteofsolar1_1.pdf	Explanatory Note

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

**Signed By:** ASAD KAMAL

**Designation:** Sr.DEE G /SRC

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