

PESHAWAR ELECTRIC SUPPLY COMPANY

PH# 091-9212019
Fax: 091-9212335

OFFICE OF THE
CHIEF EXECUTIVE OFFICER
WAPDA HOUSE, PESHAWAR

No. CCO/M (Tariff & PPC)/Hydel/Koto/ **468**

Dated: **11** /08/ 2021

Director Registrar Office NEPRA,
NEPRA Tower, Atta Turk Avenue (East),
G- 5/1, Islamabad.

Subject: Power Acquisition Request (PAR) in respect of 40.8 MW Koto Hydropower Project-Peshawar Electric Supply Company (PESCO).

Ref:

1. NEPRA decision No. NEPRA/DG/ (M&E)/LAT-01/6613-29 dated 08.02.2021.
2. CPPA-G No. CPPA-G/CTO/DGM (Renewable)/Koto SHPP/12081-85 dated 05.05.2021.
3. PESCO No. CEO/CCO/M (Tariff & PPC)/Hydel/Koto/44-45 dated 02.06.2021.
4. NEPRA No. NEPRA/R/PAR-100/Koto/29276-77 dated 15.06.2021.
5. NEPRA No. NEPRA/R/PAR-100/Koto/32944 dated 28.07.2021.

Enclosed find here with the following documents/ information as desired vide the letter [5], please:

- 1) Information on Form II under Schedule-I of IPPR (2005). (Annex-A).
- 2) Approval of PESCO Board of Directors. (Annex-B).
- 3) Power of Attorney in favor of signatory of the subject PAR. (Annex-C).

Enclosures As Above:


CHIEF COMMERCIAL OFFICER
PESCO.

12975
12-8-2021

- 1) PESCO peak demand and demand at interconnection point (MW) from June-2017 to June-2021:

System Demand Peak June-2016-June-2017	Demand at interconnection point	
	Load shedding - Peak Demand	1271 3110
And so on June-2017-June-2021		

- 2) Peak demand:

Description	Jun-2017	Jun-2018	Jun-2019	Jun- 2020	Jun- 2021
Demand (MW)	3110	3237	2985	2936	2837
Area Generation (MW)					
Balance (MW)					

Balance = Area Generation- Demand.

- 3) Peak Load (Generation Despach): Relates to NTDC/CPPA

Sr. No.	Generation Plant	Generation Despach (MW) in the area of specific DISCO				
		Jun-2017	Jun-2018	Jun-2019	Jun- 2020	Jun- 2021
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						



PESHAWAR ELECTRIC SUPPLY COMPANY

Phone No. 091-9210226
Fax No. 091-9223136
Email: sec.pesco@gmail.com

Office of the
Company Secretary PESCO
Room No.158 Wapda House,
Shami Road, Peshawar

No. 1326-28 / 150th BoD

Dated 10/11/2020

Chief Commercial Officer
PESCO Peshawar

Finance Director
PESCO Peshawar.

Subject: - 150th PESCO BOARD OF DIRECTORS MEETING

PESCO Board of Directors in its 150th Board meeting held on 30-11-2020 made the following decision:-

Agenda Point # 02

Issuance of Power Evacuation Certificate and the information under Regulation 3 (3)(e) of the NEPRA's Interim Power Procurement Regulation (IPPR-2005) in respect of 40.8 MW Koto Hydro Power Project located at Timergara District Lower Dir

Board was briefed that the subject Project is under construction on Panjkora River at Timergara (District Lower Dir) and the expected date of completion of the project is March 2021. General License & tariff determinations are under process at NEPRA. The Grid interconnection study report (GISR) has been approved by PESCO and vetted by NTDC.

As the interconnection of the project is at 132kv level, therefore, PEDO vide No 901/PEDO/PD Koto HPP dated 29/07/2020 requested PESCO for issuance of the power evacuation certificate/consent as mentioned by CPPA-G in their letter dated 14/7/2020. Moreover, it was also informed that the project is included in the list of committed projects in the draft Indicative Generation Capacity Expansion Plan (IGCEP) which is yet to be approved by NEPRA.

After the above brief, Chief Commercial Officer PESCO requested the Board for approval of issuance of the draft Power Evacuation Certificate and the information under Regulation-3(3)e of the NEPRA's Interim Power Procurement Regulation (IPPR-2005) regarding the PESCO's demand which is going to be met through the proposed procurement of power from 40.8 MW Koto Hydro Power Project. He also apprised that the case has been discussed in 38th Audit & Finance Sub Committee meeting held on 23.11.2020 and the Committee recommended the same to the Board for approval.

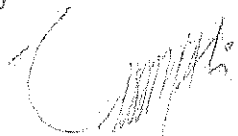
The Board desired clarification whether it falls under the wheeling arrangement under wheeling regulations? It was apprised that it has no concern with the wheeling as the power purchase contract has to be signed by CPRA-G. As the interconnection of the project is at 132kv that's why Power Evacuation Certificate is desired from PESCO.

Muhammad Zubair, Secretary Energy KP, apprised that it is a routine matter and there is no question of wheeling in this case. Generation license has to be provided by NEPRA and PEDO will use infrastructure of PESCO to provide energy to the national grid.

Resolution

The Board of Directors PESCO, after detailed discussion and in light of the recommendation of 86th A&F Sub Committee meeting held on 23.11.2020, accorded approval for issuance of the Draft Power Evacuation Certificate and the information under Regulation-3(3) e of the NEPRA's Interim Power Procurement Regulation (IPPR-2005), regarding the PESCO's demand which is going to be met through the proposed procurement of power from 40.8 MW Koto Hydropower project.

Please take further necessary action in light of Board decision and implementation position may be forwarded to this office within a week time positively


Company Secretary
PESCO HQ

Copy to:-

1. APS to CEO PESCO for Information.

Ph: 091/92111992
 Fax: 091/92112024

OFFICE OF THE
 CHIEF EXECUTIVE OFFICE
 PESCO PESHAWAR

No. 819-16 /Sec/BoD

Dated 27 /06/2012

Chief Commercial Officer,
 PESCO Peshawar.

Subject: PESCO BOARD DECISIONS.

PESCO Board of Directors in its 71st BoD meeting held on 26.06.2012 made following decisions. Please take further necessary action in light of Board decisions. Implementation position may be forwarded to this office for submission to the Board before next meeting scheduled on 24.07.2012.

1. Approval for Power of Attorney in favour of the signatory of Power Acquisition Request (PAR) to file the PAR with NEPRA for approval.

Board authorized Chief Engineer/CSD PESCO as signatory for the Power Acquisition Request (PAR) to be filed with NEPRA.

2. Monthly reports of field performance.

Board discussed in detail monthly field performance and appreciated the format through which the figures position was furnished by Manager (Tariff) Board advised that field performance be evaluated in future on similar lines.

The Chairman suggested that each SDO be asked that he has to register FIR in Police Stations against some "Kunda" habitual from localities most addict to mis-behaviour. These cases have to be vigorously pursued by the field staff and the legal aids of PESCO. Hope was expressed that punishment will deter many addicts of "Kunda" culture. Orders to this effect be issued by the functionaries of PESCO.

3. Points highlighted for necessary action by Management.

- a. Load shedding to be strictly done as per merit list of feeders prepared on the basis of Composite Efficiency Index (CEI), in future (CEI) be prepared on the basis of last 03 months.
- b. All complaint offices to be provided with two vehicles and linemen in complaint offices be provided on basis of consumers in that Sub Division. Maintain record of complaints rectified and outstanding complaints to be handed over to next shift. More than 24 hours

10/7

outstanding complaints (at 08:00 hrs) to be monitored by XEN/SE and record be maintained to evaluate performance of SDO

- c. Consumer Facilitation Centre (CFC) contract to be awarded by 30-08-2012 and CFC to be made functional by 14th August, 2012.
- d. TELCOs to be contacted to provide SIMs to all PESCO staff with free SMS and call between the group.

Company Secretary
PESCO

C.c.

1. ✓ Manager (Tariff) PESCO for information /necessary action.
2. Manager (CM&O) PESCO.
3. Manager (MIS) PESCO for information/necessary action.
4. SO to CEO PESCO.

FIA

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OFFICE OF THE
CHIEF EXECUTIVE OFFICER
WAPDA HOUSE, PESHAWAR

No. CCO/M (Tariff & PPC)/Hydel/Koto/ 438 - 39

Dated: 28 /06/ 2021

✓ Director Registrar Office NEPRA,
NEPRA Tower, Atta Turk Avenue (East),
G- 5/1, Islamabad.

Subject: POWER ACQUISITION REQUEST (PAR) IN RESPECT OF 40.8 MW KOTO HYDROPOWER PROJECT.

Ref:

1. NEPRA decision No. NEPRA/DG/ (M&E)/LAT-01/6613-29 dated 08.02.2021.
2. CPPA-G No. CPPA-G/CTO/DGM (Renewable)/Koto SHPP/12081-85 dated 05.05.2021.
3. PESCO No. CEO/CCO/M (Tariff & PPC)/Hydel/Koto/44-45 dated 02.06.2021.
4. NEPRA No. NEPRA/R/PAR-100/Koto/29276-77 dated 15.06.2021.

In pursuance of NEPRA letter [4] and the NEPRA Interim Power Procurement (Procedures and Standards), 2005, PESCO intends to file the Power Acquisition Request (PAR) in respect of the subject hydropower project.

PESCO is submitting the requisite PAR duly supported by the following information, as desired vide the letter [4]:

- | | |
|---|------------|
| 1) Information required under regulation 3(3) of IPPR (2005). | (Annex-A). |
| 2) Information required under regulation 3(4) of IPPR (2005). | (Annex-B). |
| 3) Information as per Schedule-I Form-I. | (Annex-C). |
| 4) PESCO BOD Authorization regarding signatory for the PAR. | (Annex-D). |

In view of the above submissions, PESCO requests the NEPRA Authority for necessary review and acceptance of the PAR, please.

Enclosures As Above:

For info & n.a. re
- Fiddo Du. J (RO)

Copy to

- SA (Tech)

- AD (CT)

- LA (CLIP)

- m.f

Copy to:

CEO PEDO, 38/B-2, Phase-V, Hayatabad, Peshawar.

cc: CHIEF COMMERCIAL OFFICER,
PESCO.

- Chairman

- m(CCA MD)

- m(m & E)

- m(lic)

REGISTRAR

Dy. No: 11256

Date: 29/6/21

Information required under Regulation 3(3) of IPPR, 2005

Regulation	Information Required	Information submitted by DISCO/TRANSCO
3(3) (a)	The firm capacity expected.	40.8 MW
3(3) (b)	The technology, indicating primary fuel, alternate primary fuel and back up fuel.	Hydel
3(3) (c)	The expected time of commercial operation of the generation facility	Proposed year of commissioning is March, 2021.
3(3) (d)	The expected rate of power to be acquired and the basis thereof including but not limited to the feasibility study report, contracts and agreement.	The Levellized tariff as per NEPRA determination No. NEPRA/R/ADG(Trf)/ TRF -523/KHP-2020/13441-134 dated 10.3.2021 is Rs. 7.5807/kWh
3(3) (e)	The particular distribution company's demand which is going to be met through the proposed procurement.	<ul style="list-style-type: none"> • The generation of the Koto hydropower project, being a Hydel power project, will exclusively depend on the flow/availability of water. Hence, the generation of the project will not be consistent with its installed capacity and accordingly the demand of PESCO which is going to be met through the project would vary between the maximum {installed capacity of the project (approx: 40 MW)} and the minimum (during winter). Moreover, since the power evacuation is at 132 kV voltage level, therefore, it will also be part of the National System. • Similarly, there are other hydropower projects located in Chitral & Swat districts, which are expected to be completed in the near future, and in that scenario the power of Koto hydropower project may also have contribution in the National system.
3(3) (f)	The adequacy of the transmission system or distribution company's sub-transmission system and the cost of transmission/inter connection to the Grid System involved in the procurement.	The Transmission Lines from the project to the PESCO network, for both the interim and permanent arrangements, will be constructed by PEDO.

40.8MW KOTO HYDROPOWER PROJECT:
INFORMATION ABOUT GENERATION CAPACITY UNDER PROPOSED PROCUREMENT
REQUEST:

Description	Generator 1	Generator 2	Generator 3	Generator 4	Generator 5
Capacity (MW)	13.60	13.60	13.60		
Technology (Oil fired steam, gas turbines, gas fired combined cycle, coal based steam, hydro (run of the river)/ storage, other including wind, solar etc)	Three (03) Vertical Francis type turbines (3 x 13.60 MW); medium head (gross head of 47.13 m and net head 38.65 meter) run of river project with mean annual energy of approximately 205.00 GWh.				
Fuel (indigenous, imported)	Indigenous				
Whether forms part of least cost plan (If forms part of least cost plan a certificate to the effect would be attached. If not part of the least cost plan, demonstrate that procurement would be an economic one and would not adversely affect the transfer price/ power purchase of DISCOs. Impact of the generation addition on transmission system.)	The project is a hydropower project, rather than a thermal plant, therefore, it may form part of least cost generation plan.				
Availability of power/energy	Proposed power of 40.8 MW/Average annual Energy 205.00 GWh				
Year of Commissioning	Proposed year of Commissioning is March, 2021.				
Location	Run of river Scheme at the Panjkora river; Village Koto, Tehsil Timergara, approximately 7-km upstream of Timergara Town in Lower Dir, Khyber Pakhtunkhwa.				
Proposed grid for interconnection Approximate distance (provide details about the Grid, including voltage, MVA capacity.)	<p>i. <u>Interim Arrangement</u>: 01 km, 132 kV DC T/L with Rail conductor from Koto HPP to the point of interconnection for In/out arrangement of 132 kV Wari-Timergara T/L.</p> <p>ii. <u>Permanent Arrangement</u>: 11 km, 132 KV DC T/L with Lynx conductor from Koto HPP to the point of interconnection for In/out arrangement of 132kV Timergara-Khar Bajawar T/L.</p>				
Augmentation required in grid (provide load flow and supporting studies for the future requirements to augment Grid or transmission network)	Not required (PESCO as well NTDC have vetted/approved the GISR).				
Augmentation required in transmission network (provide load flow and supporting studies for the future requirements to augment Grid or Transmission network)	Not required (PESCO as well NTDC have vetted/approved the GISR).				
Estimated cost if augmentation required in the transmission network	Not required				
Steps taken or required for transmission augmentation	Not required				
Any other information	Any additional information, if required by the NEPRA Authority, the same will be provided with collaboration of PEDO.				

SUMMARIZE: Total capacity proposed to be procured over the period (MW): 40.8 MW

- Primary Fuel Nil
- Energy Source Renewable hydro sources
- Impact Power Procurement would lower the price of energy of the power mix being supplied to consumers. -
- Voltage Level 132 kV.
- Name of the Grid Station
Interim Arrangement: 01 km, 132 kV DC T/L with Rail conductor from the project to the point of interconnection for In/out arrangement of 132 kV Wari-Timergara T/L.
Permanent Arrangement: 11 km, 132 kV DC T/L with Lynx conductor from the project to the point of interconnection for In/out arrangement of 132kV Timergara-Khar Bajawar T/L.
- Load Flow Analysis PESCO as well NTDC has vetted/approved the GISR and the details regarding the load flow analysis are covered in the GISR.

**PEAK DEMAND AT INTERCONNECTION POINTS (GRID STATIONS) OF NTDC
AND DISCO FOR THE PERIOD FROM 07/2019 TO 06/2020.**

I. CDPs BETWEEN WAPDA HYDEL & PESCO			
Name of Station	Power T/F, T/Line	KW	
		Import	Export
Warsak Power House	132KV Line Warsak P/H-Shahibagh, L-1	25614000	79000
	132KV Line Warsak P/H-Shahibagh, L-2	18581000	150000
	132KV Line Warsak P/H-Peshawar Cantt, L-3	40258000	0
	132KV Line Warsak P/H-Jamrud, L-4	25106000	482000
Jagran P/House	132KV Line Muzaffarabad-Jagran P/H, MZB-4	8576777	1744
Dargai Power House	132/11KV P/TF T-2, B-1	11947000	0
	66/11KV T-1, B-2 (Calculated on the basis of Total Generation)	0	0
	11KV Feeder Old Dargai	46933	0
Malakand-III P/House	132KV Line Malakand-III P/House-132KV Dargai CCT-1	21648000	3000
	132KV Line Malakand-III P/House-132KV Dargai CCT-2	21311000	5000
K/Garhi Hydel P/House	66KV Line Kurrum Garhi-Bannu	0	1593800
	11KV Feeder Daud Shah+Wapda Colony	2970800	0
Chitral Hydel P/Station	11KV O/G Chitral-1	0	0
	11KV O/G Chitral-2	300420	0
Chitral Diesel P/Station	11KV Feeder-1	0	0
	11KV Feeder-2	0	0
Diesel P/Station G/Chashma	Machine-1	0	0
	Machine-3	5196	0
Tarbela P/House	220/11KV Village P/TF	1399500	0
Chashma P/House	132KV Line Chashma P/H-L/B Chashma-D.I.Khan (E1Q1)	29958000	12000
Gadoon Textile Diesel P/H	11KV Line-1 & Line-2	0	0
Pehure Power Plant	132KV Pehure P/Plant-Gadoon Amazai	4921000	1000
Khan Khwar Hydro P/Station	132KV Allai Line	0	0
BLUE STAR ENERGY (Pvt) P/H	11KV Incoming/Jalala feeder	0	0

Al-Moiz Pvt P/House	Al-Moiz Power House-66KV GSS Band Kurai	0	0
	Scarp-1	0	0
	Scarp-2	0	0
TOTAL		212643626	2327544

2. CDPs BETWEEN NTDC & PESCO			
Name of Station	Power T/F, T/Line	KW	
		Import	Export
500KV Sheikh Muhammadi Peshawar	220/132KV, 160MVA P/TF-3	98944000	0
	220/132KV, 160MVA P/TF-4	100699000	0
	220/132KV, 160MVA P/TF-5	98378000	0
	Auxiliary	0	0
220KV Mardan	220/132KV P/TF T-1	115354000	0
	220/132KV P/TF T-2	119363000	0
	220/132KV P/TF T-3	118718000	0
	Auxiliary	0	0
220KV Shahibagh	Auto T/F T-1	26276000	1000
	Auto T/F T-2	26251000	1000
	Auto T/F T-3	26203000	1000
	Auto T/F T-4	26432000	1000
	Auxiliary		
220KV Domel	Auto T/F T-1	46961000	0
	Auto T/F T-2	47216000	0
	Auto T/F T-5	43098000	0
	Auxiliary		
TOTAL		893893000	4000

3. CDPs BETWEEN IESCO & PESCO			
Name of Station	Power T/F, T/Line	KW	
		Import	Export
220KV Burhan	132KV Line Burhan-Haripur, E9Q1	31107000	0
	132KV Line Burhan-Haripur, E1Q1	31303000	0
132KV New Wah	132KV Line New Wah-Haripur, WAH-3	43241000	1000
	66-KV Line New Wah-Haripur, WAH-11	7296000	0
	132KV Line New Wah-Nishat Tarbela, WAH-7	41238000	0
	132KV Line New Wah-R.Bank Tarbela, WAH-8	40160000	0
	132KV Line New Wah-Mustahkam C/Factory, WAH-9	8962100	0
	11KV Feeder Old Khanpur	1853000	0
132KV Kamra	132KV Line Kamra-AWT C/Factory, PKR-2	9970000	230000
132KV Gondal	132KV Line Gondal-Jehangira, GND-1	573000	7223000
132KV Murree	11KV Feeder Lora	2238560	0
TOTAL		217941660	7454000

4. CDPs BETWEEN MEPCO & PESCO			
Name of Station	Power T/F, T/Line	KW	
		Import	Export
132KV Noor Ahmad Wali	132KV Line Noor Ahmad Wali-D.I.Khan, NAW-2	17448000	580000
132KV Taunsa	132KV Line Taunsa Sharif-D.I.Khan, TSF-1	17194000	569000
TOTAL		34642000	1149000

5. CDPs BETWEEN FESCO & PESCO			
Name of Station	Power T/F, T/Line	KW	
		Import	Export
220KV Daud Khel	132KV Line Daud Khel-Kohat, E4Q1	1170000	0
	132KV Line Daud Khel-Kohat, E5Q1	855000	0
132KV D/Khel	66-KV Line Daud Khel-Trug-Tajazai, DKL-7	2710000	0
132KV Chashma	11KV Feeder Bilot	1807380	0
TOTAL		6542380	0



PESHAWAR ELECTRIC SUPPLY COMPANY

(Final - 2)

F/A-4

Ph: 091/9211992
Fax: 091/9212024

OFFICE OF THE
CHIEF EXECUTIVE OFFICE
PESCO PESHAWAR

No. 811-16 /Sec/BoD

Dated 27 /06/2012

Chief Commercial Officer,
PESCO Peshawar.

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2. Monthly progress of field performance.

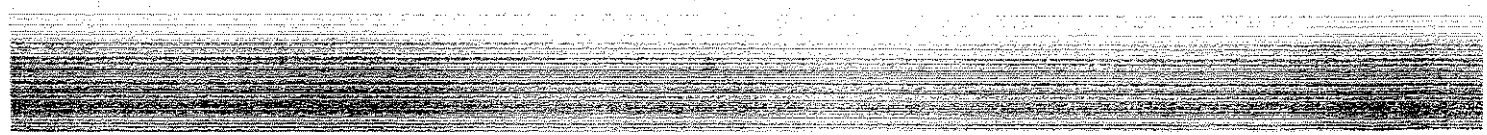
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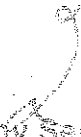
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Company Secretary
PESCO

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- 2. Manager (CM&O) PESCO.
- 3. Manager (MIS) PESCO for information/necessary action.
- 4. SO to CEO PESCO.