

REQUEST FOR PROPOSAL (RFP)

	DATE: May 8, 2020
NAME & ADDRESS OF FIRM	REFERENCE: UNDP-RFP-2020-137
	ORPS: 2507

Dear Sir / Madam:

We kindly request you to submit your Proposal for "Planning and Organizing Five Search and Rescue ToTs in Sindh and Balochistan". Please be guided by the form attached hereto as Annex 2, in preparing your Proposal.

Your proposal should be submitted through e-Tendering online system by or before the deadline of **Friday**, **22**nd **May 2020 12:30 PM PST OR 3:30 AM EDT** indicated in https://etendering.partneragencies.org.

Detailed instructions on how to register, submit, modify or cancel a bid in the e-Tendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this

http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/

Your Proposal must be expressed in the English, and valid for a minimum period of 90 days.

You are kindly requested to indicate whether your company intends to submit a Proposal by clicking on "Accept Invitation" button no later than **Monday**, **18**th **May 2020** [**12:30 PM Pakistan Standard Time OR 3:30 AM EDT].** If that is not the case, UNDP would appreciate your indicating the reason, for our records.

In the course of preparing your Proposal, it shall remain your responsibility to ensure that it is submitted through the e-Tendering system on or before the deadline. Proposals that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If there is requirement of any clarification related to this RFP, kindly send queries to pakistan.procurement.info@undp.org.

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Services proposed shall be reviewed and evaluated based on completeness and compliance of the Proposal and responsiveness with the requirements of the RFP and all other annexes providing details of UNDP requirements.

The Proposal that complies with all of the requirements, meets all the evaluation criteria and offers the best value for money shall be selected and awarded the contract. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price shall be re-computed by UNDP, and the unit price shall prevail and the total price shall be corrected. If the Service Provider does not accept the final price based on UNDP's re-computation and correction of errors, its Proposal will be rejected.

No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the Proposal. At the time of Award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Contract or Purchase Order that will be issued as a result of this RFP shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a Proposal implies that the Service Provider accepts without question the General Terms and Conditions of UNDP, herein attached as Annex 4.

Please be advised that UNDP is not bound to accept any Proposal, nor award a contract or Purchase Order, nor be responsible for any costs associated with a Service Providers preparation and submission of a Proposal, regardless of the outcome or the manner of conducting the selection process.

UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a Purchase Order or Contract in a competitive procurement process. In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:

http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/

UNDP encourages every prospective Service Provider to prevent and avoid conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, cost estimates, and other information used in this RFP.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to preventing, identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its Service Providers to adhere to the UN Supplier Code of Conduct found in this link: http://www.un.org/depts/ptd/pdf/conduct_english.pdf

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Thank you and we look forward to receiving your Proposal.

Sincerely yours,

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5/8/2020

For Ignacio Artaza Resident Representative

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Description of Requirements

Context of the	Firm/organization for Planning and Organizing Five Search and Rescue ToTs in Sindh
Requirement	and Balochistan
Brief	Background:
Description of the Required Services	Over the past 20 years, UNDP has been extending support to the Government of Pakistan in shifting its focus from a relief (reactive) approach to a resilience approach, which seeks to reduce risks, mitigate disaster impact and undertake disaster preparedness. UNDP has also been supporting national, subnational and district governments in developing institutional capacity for systematic disaster risk management.
	UNDP in Pakistan has played a crucial role in promoting knowledge on earthquake and tsunami risk reduction for more than a decade. Under the One UN Pilot programme (2009-2012), UNDP's pioneer effort, "Strengthening Tsunami Early Warning System", was initiated and implemented in partnership with several key stakeholders including the Pakistan Meteorological Department, National Institute of Oceanography, Karachi Port Trust, NDMA, PDMA, DDMAs, the Pakistan Red Crescent Society and local community organizations.
	Having established a strong background in community preparedness, it was time to introduce a state-of-the-art technical intervention to address the "only 10-20 minutes away tsunami risk" on the coast of Pakistan. Under this programme, UNDP achieved many milestones that were recognized nationally and globally. In 2017, UNDP also implemented some pilot interventions as part of its regional initiative titled "Reducing the Loss of Lives of Schoolchildren from Tsunamis in the Asia-Pacific through Better Awareness and Preparedness". The project covered 18 countries in the Asia-Pacific region, based on their high exposure to tsunami hazard. Under this project, UNDP conducted earthquake and tsunami school preparedness drills in selected coastal schools by involving students and teachers. School earthquake and tsunami safety plans were also developed, and evacuation sites were marked. UNDP is also currently assisting NDMA in developing a National Tsunami Policy Framework through broad based consultation with relevant stakeholders and maritime agencies.
	UNDP has recently signed a project titled "Strengthening tsunami and earthquake

preparedness in coastal areas of Pakistan", with financial assistance from Government of Japan. UNDP will closely work with NDMA, Sindh and Balochistan PDMAs, PMD and other stakeholders for initiating a policy discourse on the existing capacity and institutional arrangements of different agencies involved in disaster risk preparedness and response in the coastal areas. The project will upgrade the existing system of

tsunami early warning and national seismic monitoring by providing relevant early warning, communications, remote sensing and IT equipment to relevant institutions (PMD and its National Seismic Monitoring Tsunami Early Warning Center, NDMA/PDMAs). The project will also undertake a detailed earthquake and tsunami risk assessment of the three selected districts of the project.

Tsunamis affect communities in many ways. For the reduction of loss of lives and damage to assets/critical infrastructure, the project will install 06 tsunami early warning systems in project target districts, through revision of district specific SOPs and installation of EWS equipment, including through modern communication tools. UNDP will closely work with the PDMAs of Sindh and Balochistan and will provide technical trainings to government officials on carrying out relief, search & rescue operations. UNDP will also establish youth groups in selected villages/settlements in all three project districts and evacuation drills will be organized in schools and health facilities by simulating earthquake and tsunami scenarios.

Furthermore, the project will carry out mangrove plantation and reinforcing and retrofitting of facilities for earthquake and tsunami mitigation & preparedness through low-cost retrofitting of the selected buildings against earthquake and tsunami risks. UNDP will also Identify and develop tsunami evacuation sites (designated areas with shelter facilities), and prepare and mark evacuation routes with tsunami signboards, following regional and global best practices.

List and
Description of
Expected
Outputs to be
Delivered

Expected Outputs / Deliverables, timeframe for the work

Outcome: Five well-organized Trainings of Trainers (ToTs) or Training of Instructors (ToIs) based on a model that covers basic search and rescue, first aid and medical emergency, fire and water rescue for an efficient response during tsunami or any other coastal hazard.

Sr#	` Deliverables	Action Required	Estimated Timelines	% Payment
1	including workplan	Develop a detailed inception report and training for SAR, with a breakdown of all activities required	by May 2020	20%

	2	Detailed training manuals for each section of training	Training manuals covering each aspect of training with methodology	by June/July 2020	20%
	3	Completion report of three (1,2,3) trainings	Carry out trainings and produce a report following completion, detailing activities, outcomes, and challenges. Pre and post training assessment forms filled by participants.	by August 2020	20%
	4	Completion report of Fourth and Fifth Training	Carry out trainings and produce a report following completion, detailing activities, outcomes, and challenges, Pre and post training assessment forms filled by participants	By Septermber 2020	20%
	5 Total	Final Report	Final report of the assigment following completion, detailing activities, outcomes, and challenges 100 %	November 2020	20%
Person to Supervise the Work/Performa nce of the Service Provider			rsunami & Earthquake Prepardr	ness Project, UND	P)
Frequency of	Bi-mo	onthly			
Reporting Progress Reporting Requirements	Deliverables based.				
Location of work	☑ Sindh & Baluchistan				
Expected duration of work	The entire assignment must be completed within a maximum of six (06) months after issuance of purchase order/signing of contract. 1. Six (06) months effective from the date of signing of contract.				
	2. The ToTs and reporting must be completed by November 30, 2020.				
	 3. UNDP will not provide office space, laptops, or equipment for this assignment to trainers. Consulting firm/trainers shall arrange their own travel and accomodation for duration of the assignment. 4. UNDP shall make arrangement for training halls, travel of participants, refreshements and other costs related to the training venue. 				

Target start date	June 15, 2020
Latest completion date	December 30.2020
Travels Expected	Yes to Karachi and Quetta
Special Security Requirements	Note: UNDP will not be liable to provide the security to the selected firm and it is the responsibility of the selected firm to arrange the security of its employees.
Facilities to be Provided by UNDP (i.e., must be excluded from Price Proposal)	UNDP shall make arrangement for training halls, travel of participants, refreshements and other costs related to the training venue.
Implementation Schedule indicating breakdown and timing of activities/sub- activities	⊠ Required
Names and curriculum vitae of individuals who will be involved in completing the services	⊠ Required
Currency of Proposal	☑ Local Currency [PAK RUPEES]
Value Added Tax on Price Proposal	☑ must be inclusive of VAT and other applicable indirect taxes (the invoice submitted should indicate the price and tax portion separately).
	Further, United Nations, including its subsidiary organs, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize the United Nations exemption from such taxes, duties or charges, the Contractor shall immediately consult with the UNDP to determine a mutually acceptable procedure.

Validity Period of Proposals	⊠ 90 days				
(Counting for	In exceptional circumstances, UNDP may request the Proposer to extend the validity				
the last day of		•	hat has been initially indicated		•
submission of		-			-
quotes)	shall then confirm the extension in writing, without any modification whatsoever on the Proposal.				
Partial Quotes		ot permitted			
Payment Terms		erables and Payment	Schedule		
	Sr#	Deliverables	Action Required	% Paymen	Condition for Release of
	1	Incontion roport	Dayolan a datailed incention	20%	Payment
	I	Inception report including workplan	Develop a detailed inception report and training for SAR,	20%	Within thirty (30) days from
		for the trainings	with a breakdown of all		the date of
		and brief	activities required		meeting the
		description of each	activities required		following
		segment of training			conditions:
	2	Detailed training	Training manuals covering	20%	a) UNDP's
	_	manuals for each	each aspect of training with	2070	written
		section of training	methodology		acceptance
	3	Completion report	Carry out trainings and	20%	(i.e., not mere
		of three (1,2,3)	produce a report following		receipt) of the
		trainings	completion, detailing		quality of the
		- trainings	activities, outcomes, and		outputs; and
			challenges. Pre and post		b) Receipt of
			training assessment forms		invoice from the
			filled by participants .		Service Provider
	4	Completion report	Carry out trainings and	20%	
	•	of Fourth and Fifth	produce a report following	2070	
		Training	completion, detailing		
		9	activities, outcomes, and		
			challenges, Pre and post		
			training assessment forms		
			filled by participants		
	5	Final Report	Final report of the assigment	20%	
		'	following completion,		
			detailing activities,		
			outcomes, and challenges		
	Total		100 %		

Person(s) to review/inspect/ approve outputs/comple ted services and authorize the disbursement of payment	National Project Manager (Tsunami & Earthquake Prepardness Project, UNDP)			
Type of	□ Purchase Order			
Contract to be Signed	□ Contract for Professional Services			
Criteria for Contract Award	 ☑ Highest Combined Score (based on the 70% technical offer and 30% price weight distribution) Where the minimum passing score of technical proposal is 70%. ☑ Full acceptance of the UNDP Contract General Terms and Conditions (GTC). This is a mandatory criterion and cannot be deleted regardless of the nature of services required. Non- acceptance of the GTC may be grounds for the rejection of the Proposal. 			
Criteria for the	Technical Evaluation Criteria			
Assessment of Proposal	Summary	Weigh t	Points Obtainable	
	Expertise of firm/organization/institute	30%	210	
	Proposed methodology, approach and implementation plan	45%	315	
	Management Structure and Key Personnel	25%	175	
	Total	100`	700	
	Form 1 Technical Proposal Evaluation			

	Points obtainable
Expertise of the Firm/Organization	
1.1 Reputation of Organization and Staff / Credibility / Reliability / Industry Standing.	20
Provide three satisfactory performance certificate along with duration of each assignment (each certificate carries 10 marks)	30
1.3 Experience and Links/Networks: Demonstrated relevant experience of firm. (20 marks each year) Five (5) years of professional experience in SAR trainings (each year carries 20 marks)	100
Financial Stability: Financial stability (Last three years Audited Accounts (2016-2017 and 2017-2018, 2018-2019). Current Ratio should be more than 1. (10 marks for each Audited statement).	
Relevant Experience: Minimum three relevant Contracts with National/Multinational Organizations (Provide proof of service with name of the organization and amount of contract (10 marks for each contract).	30
	210

Forn	Form 2 Technical Proposal Evaluation	
	Proposed Methodology, Approach and Implementation Pla	n
2.1	Have the important aspects of the task been addressed in sufficient detail and do they correspond to the Terms of References? e.g. Proposed Methodology & Approach, including work plan, demonstrating knowledge of emergency response (100 marks) and experience of planning and organizing SAR trainings in Pakistan (100 marks)	200
2.2	Is the proposal well defined and corresponds to the Terms of Reference and is line with UNDP's mandate to capacities for emergency response in for DRR? (Clear and concise approach)	115
		315

Tech Form	nical Proposal Evaluation 3		Points Obtainabl
	Management Structure and Key Person	nnel	
2.1	Town Loadon	100 Marks	70
3.1	Team Leader Degree Holder in computer science or other relevant qualification (such as disaster managment / Humanitraian - emeregncy response, emergency managment etc.)	30	70
	Suitability for the Project		
	- Past experience working on similar projects:	20	
	At least 5 years of experience in training of trainers or instructors in SAR (inclduing first aid)		
	- Professional Experience in the area of specialization	10	
	- Knowledge of the region	5	
	- Language Qualifications	5	
	 Competency. An individual with a good level of technical expertise and specialist Pakistani/regional experience; Given its central importance, we expect capacity building to be a cross-cutting skill of all experts employed on this project; Working knowledge of government process & procedures Excellent knowledge and understanding of roles & responsibilities of provincial/regional governments in delivering the project; Excellent coordination skills with different governments and development agencies etc. High level of management, facilitation and representational skills 	30	
3.2	Search and Rescue Expert	75 Marks	70
	General Qualification	10	
	Bachelor's Degree Holder / SAR certification		
	- Suitability for the Project	10	
	- 5 years' experience in developing and implementing similar projects	15	
	Team building and training module development	10	

		- Professional Experience in the area of specialization	15	
		- Knowledge of the subject	10	
		- Language Qualifications	5	
		Total -3	175	
UNDP will	⊠ One	and only one Service Provider		
award the				
contract to:				
		for Submission of Proposal (Annex 2)		
Annexes to this		☑ Form for Submission of Financial Proposal (Annex 3)		
RFP	⊠ Gene	eral Terms and Conditions (Annex 4)		
	☑ Deta	☑ Detailed TOR [Annex-5]		
Contact Person for Inquiries	pakista	nn.procurement.info@undp.org		
(Written	Any del	ay in UNDP's response shall be not used as a reason for exte	nding the deadli	ne
inquiries only)	for sub	submission, unless UNDP determines that such an extension is necessary and		
	commu	nicates a new deadline to the Proposers.		

Minimum Eligibility Criteria

- 1. Three relevant Contracts with National/Multinational Organizations (please attach copies of contracts).
- 2. Profile of the company/firm along with details of employee, CVs of key professionals and available facilities/expertise.
- 3. Three satisfactory performance certificates along with duration of each assignment
- 4. Proof of financial stability such as Audited Financial Statements along with the auditor's report for the last three years (2016-17, 2017-18 & 2018-19) along with Bank statements/certificates indicating financial standing.
- 5. Firm's valid registration with Income Tax/Sales Tax Department please share NTN and STN certificates.
- 6. An affidavit on stamp paper that the company/firm has never been black listed by any institution / department / agency and that it has not been involved in litigation with any of its clients.
- 7. Copy of business registration certificate along with the articles and memorandum of association.

Deadline for Submission

Friday, 22nd May 2020 (12:30 PM Pakistan standard Time or 3:30 AM EDT)

Please note:

- 1. Date and time visible on the main screen of event (on e-tendering portal) will be final and prevail over any other closing time indicated elsewhere, in case they are different. Please also note that the bid closing time shown in the PDF file generated by the system is not accurate due to a technical glitch that we will resolve soon. The correct bid closing time is as indicated in the e-tendering portal and system will not accept any bid after that time. It is the responsibility of the bidder to make sure bids are submitted within this deadline. UNDP will not accept any bid that is not submitted directly in the system.
- 2. Try to submit your bid a day prior or well before the closing time. Do not wait until last minute. If you face any issue in submitting your bid at the last minute, UNDP may not be able to assist.

Electronic Technical and financial proposals should be submitted in separate PDF files submission File names must be maximum 60 characters long and must not contain any (eTendering) letter or special character other than from Latin alphabet/keyboard. requirements • All files must be free of viruses and not corrupted. Password for financial proposal must not be provided to UNDP until requested by UNDP (see notes below) Important Notes for financial proposal: The proposer is required to prepare and submit the financial proposal in a password protected PDF file separate from the rest of the proposal submission as indicated in the instructions to proposers. • Password for financial proposal must not be provided to UNDP until it is requested by point indicated below: formally UNDP focal ali.saeed@undp.org • While entering financial proposal in the e-tendering system, always mention your bid price as PKR 1. Please do not mention the value of your financial proposal in the e-tendering system. It should only be mentioned in the password protected file/ attachment of financial proposal. The proposals of those organizations who would reveal their financial proposal value in the e-tendering system will be considered as disqualified. **Pre-proposal** N/A conference

FORM FOR SUBMITTING SERVICE PROVIDER'S PROPOSAL

(This Form must be submitted only using the Service Provider's Official Letterhead/Stationery)

[insert: Location]. [insert: Date]

To: [insert: Name and Address of UNDP focal point]

Dear Sir/Madam:

We, the undersigned, hereby offer to render the following services to UNDP in conformity with the requirements defined in the RFP dated [specify date], and all of its attachments, as well as the provisions of the UNDP General Contract Terms and Conditions:

A. Qualifications of the Service Provider

The Service Provider must describe and explain how and why they are the best entity that can deliver the requirements of UNDP by indicating the following:

- a) Profile describing the nature of business, field of expertise, licenses, certifications, accreditations;
- b) Business Licenses Registration Papers, Tax Payment Certification, etc.
- c) Latest Audited Financial Statement income statement and balance sheet to indicate Its financial stability, liquidity, credit standing, and market reputation, etc.;
- d) Track Record list of clients for similar services as those required by UNDP, indicating description of contract scope, contract duration, contract value, contact references;
- e) Certificates and Accreditation including Quality Certificates, Patent Registrations, Environmental Sustainability Certificates, etc.
- f) Written Self-Declaration that the company is not in the UN Security Council 1267/1989 List, UN Procurement Division List or Other UN Ineligibility List.
- g) Include all the documents mentioned in the **Minimum Eligibility Criteria** mentioned in Annex 1.

B. Proposed Methodology for the Completion of Services

The Service Provider must describe how it will address/deliver the demands of the RFP; providing a detailed description of the essential performance characteristics, reporting conditions and quality assurance mechanisms that will be put in place, while demonstrating that the proposed methodology will be appropriate to the local conditions and context of the work.

C. Qualifications of Key Personnel

If required by the RFP, the Service Provider must provide:

- a) Names and qualifications of the key personnel that will perform the services indicating who is Team Leader, who are supporting, etc.;
- b) CVs demonstrating qualifications must be submitted if required by the RFP; and
- c) Written confirmation from each personnel that they are available for the entire duration of the contract.

[Name and Signature of the Service Provider's Authorized Person]
[Designation]
[Date]

FORM FOR SUBMITTING SERVICE PROVIDER'S FINANCIAL PROPOSAL

(This Form must be submitted only using the Service Provider's Official Letterhead/Stationery)

A. Cost Breakdown per Deliverable*

	`			Amount (PKR)
Sr#	Deliverables	Action Required	% Payment	
1	Inception report	Develop a detailed inception	20%	
	including workplan	report and training for SAR,		
	for the trainings	with a breakdown of all		
	and brief	activities required		
	description of each			
	segment of training			
2	Detailed training	Training manuals covering	20%	
	manuals for each	each aspect of training with		
	section of training	methodology		
3	Completion report	Carry out trainings and	20%	
	of three (1,2,3)	produce a report following		
	trainings	completion, detailing		
		activities, outcomes, and		
		challenges. Pre and post		
		training assessment forms		
		filled by participants .		
4	Completion report	Carry out trainings and	20%	
	of Fourth and Fifth	produce a report following		
	Training	completion, detailing		
		activities, outcomes, and		
		challenges, Pre and post		
		training assessment forms		
		filled by participants		
5	Final Report	Final report of the assigment	20%	
		following completion,		
		detailing activities,		
		outcomes, and challenges		
Total		100 %		

^{*}This shall be the basis of the payment tranches

Breakdown of the Cost:

Description of Activity	Remuneration per Unit of Time in Rs.	Total Period of Engagement	No. of Personnel	Total Price in Rs.
I. Personnel Services				
1.				
2.				
3.				
4.				
II. Out of Pocket Expenses				
1. Travel Costs				
2. Daily Allowance				
3. Communications				
4. Reproduction				
5. Equipment Lease				
6. Others				
III. Other Related Costs				

[Name and Signature of the Service Provider's Authorized Person]
[Designation]
[Date]

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General Terms and Conditions for Services
Separately attached

Terms of Reference (ToRs)

Terms of Reference (TORs) / Description of Requirements

Context of the Requirement	Firm/organization for Planning and Organizing Five Search and Rescue ToTs in Sindh and Balochistan
	Five Trainings (each training to be 3-5 days, for 25 participants each)
Duty Station / Place of work	Karachi and Gawadar
Project	Tsunami and Earthquake Preparedness Project in coastal Areas of Pakistan
Engagement Modality	Institutional Services Contract
Period of assignment/se rvices	The entire assignment must be completed within a maximum of six (06) months after issuance of purchase order/signing of contract. • Six (06) months effective from the date of signing of contract.
	The ToTs and reporting must be completed by December 30, 2020.
	UNDP will not provide office space, laptops, or equipment for this assignment to
	trainers. Consulting firm/trainers shall arrange their own travel and
	accomodation for duration of the assignment.
	UNDP shall make arrangement for training halls, travel of participants,
	refreshements and other costs related to the training venue.
Due Date	December 2020
Justification	Over the past 20 years, UNDP has been extending support to the Government of Pakistan
and Background	in shifting its focus from a relief (reactive) approach to a resilience approach, which seeks to reduce risks, mitigate disaster impact and undertake disaster preparedness. UNDP has also been supporting national, subnational and district governments in developing institutional capacity for systematic disaster risk management.
	UNDP in Pakistan has played a crucial role in promoting knowledge on earthquake and tsunami risk reduction for more than a decade. Under the One UN Pilot programme

(2009-2012), UNDP's pioneer effort, "Strengthening Tsunami Early Warning System", was initiated and implemented in partnership with several key stakeholders including the Pakistan Meteorological Department, National Institute of Oceanography, Karachi Port Trust, NDMA, PDMA, DDMAs, the Pakistan Red Crescent Society and local community organizations.

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UNDP has recently signed a project titled "Strengthening tsunami and earthquake preparedness in coastal areas of Pakistan", with financial assistance from Government of Japan. UNDP will closely work with NDMA, Sindh and Balochistan PDMAs, PMD and other stakeholders for initiating a policy discourse on the existing capacity and institutional arrangements of different agencies involved in disaster risk preparedness and response in the coastal areas. The project will upgrade the existing system of tsunami early warning and national seismic monitoring by providing relevant early warning, communications, remote sensing and IT equipment to relevant institutions (PMD and its National Seismic Monitoring Tsunami Early Warning Center, NDMA/PDMAs). The project will also undertake a detailed earthquake and tsunami risk assessment of the three selected districts of the project.

Tsunamis affect communities in many ways. For the reduction of loss of lives and damage to assets/critical infrastructure, the project will install 06 tsunami early warning systems in project target districts, through revision of district specific SOPs and installation of EWS equipment, including through modern communication tools. UNDP will closely work with the PDMAs of Sindh and Balochistan and will provide technical trainings to government officials on carrying out relief, search & rescue operations. UNDP will also establish youth groups in selected villages/settlements in all three project districts and evacuation drills will be organized in schools and health facilities by simulating earthquake and tsunami scenarios.

Furthermore, the project will carry out mangrove plantation and reinforcing and retrofitting of facilities for earthquake and tsunami mitigation & preparedness through low-cost retrofitting of the selected buildings against earthquake and tsunami risks. UNDP will also Identify and develop tsunami evacuation sites (designated areas with

	Expec	ted Outputs / Deliverables, ti	meframe for the work					
Description of								
Expected	Outcome: Five (each training to be 3-5 days, for 25 participants each) well-							
Outputs to be Delivered	_	9	or Training of Instructors (Tols) b					
Jelivered	model that covers basic search and rescue, first aid and medical emergency, fire and water rescue for an efficient response during tsunami or any other coastal hazard.							
		The Contractor will ensure that the above mentioned deliverables are achieved a						
		T		Γ				
	6.4	D.P Live	Author Book tool	0/ D				
	Sr# 1	Deliverables Inception report including	Action Required	% Payment 20%				
	'	workplan for the trainings	Develop a detailed inception report and training for SAR,	20%				
		and brief description of each	with a breakdown of all					
		segment of training	activities required					
	2	Detailed training manuals	Training manuals covering each	20%				
		for each section of training	aspect of training with					
	1	C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	methodology	200/				
	3	Completion report of three (1,2,3) trainings	Carry out trainings and produce a report following completion,	20%				
		(1,2,3) trainings	detailing activities, outcomes,					
			and challenges. Pre and post					
			training assessment forms filled					
			by participants .					
	4	Completion report of Fourth	Carry out trainings and produce	20%				
		and Fifth Training	a report following completion, detailing activities, outcomes,					
			and challenges, Pre and post					
			training assessment forms filled					
			by participants					
	5	Final Report	Final report of the assigment	20%				
			following completion, detailing					
			activities, outcomes, and					
	Tota	1	challenges					
	part o		I					
	Pare							

Firms to include remuneration of the trainers, travel/accomodation at the districts (Karachi and Gwadar).