

第4章 プロジェクトの評価

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4-1 事業実施のための前提条件

本プロジェクト実施の前提条件として「パ国」側が取り組むべき事項は以下の通りである。

1) 建設用地の保全

本プロジェクトの対象サイトには敷地が狭小であるために、既存校の敷地範囲を超えて土地所有者から一定範囲の土地の寄贈を受けて施設建設を行うサイトが多く含まれる。これらの土地はプロジェクトの開始まで現状のまま保全される必要がある。既に該当するサイトでは関係者立会いの下で敷地測量が行われ、土地寄贈に関する宣誓書が提出されているが、州教育識字局は県、郡レベルのプロジェクト担当者との連絡を密にして施設建設を予定する土地に建設を阻害する改変が加えられることのないよう、特に他の施設建設との重複が起こらないよう、十分な注意を払う必要がある。

2) 「パ国」側負担事項の遵守

本プロジェクトの実施に当っては、狭小な敷地での作業を円滑に進めることを主眼に、「パ国」側負担は最小限の範囲となるよう計画してあるが、工事に先立って必要な土地の整備（アクセス道路整備、電柱・電線移設、既存構造物解体・撤去等：合計5サイト）、電力及び給水の引込み・接続、既存建物の撤去や工事中の安全確保のために既存教室が使えなくなるサイトでは仮設教室のアレンジメントが必要となる。これら事項については、州教育識字局が窓口となって県教育局を指揮し、内容及び実施時期については日本側関係者や受注業者と調整の上、事前に予算を確保して確実な実施を図ることが必要である。

4-2 プロジェクト全体計画達成のために必要な相手方投入（負担）事項

プロジェクトの効果が発現・持続するために「パ国」側が取り組むべき事項は以下の通りである。

1) 教職員の確実な配置

本プロジェクトではシンド州北部6県の25校で前期中等教育用の教室75教室が新設される。また全25校で多目的教室として各1室が新設され、コンピューター機材が設置される。対象校で新たに前期中等クラスを開設し、これら施設・機材を十分に活用していくためには、前期中等教員として必要な資格を有する一般教員（校長を含む）89名とコンピューター教育のための補助教員25名、学校施設の保全要員となる職員36名の新規配置が必要となる。また初等クラス向けの既存教室を建替える学校では新設する教室を有効利用するために、不足する初等教員8名の増員が必要となる。これら教職員は施設完成後速やかに配置が行われるよう、事前に予

算手当て（新規歳出表-Schedule of New Expenditure:SNE-への登録が必要）を含む採用計画を策定し、計画的に採用・配属の準備を進める必要がある。但し、現行の教員採用制度では採用時期が一定しないため、他校からの一時的な異動や十分な能力や資格を有する初等教員の一時的な活用も含めて、前期中等クラスの運営に必要な最低限の教員を施設完工から間を置かずに確実に配置できるよう、計画を行うことが肝要である。

2) 十分な学校運営予算の確保

本プロジェクトで建設される施設の運営・維持管理に新たに必要となるコストは、学校単位で算定される学校運営予算（SSB）と SMC に直接配賦される SMC 基金、及び郡教育事務所の基礎教育運営予算の 3 つのソースから支出される。それぞれ用途が限定されており、特に学校改善計画に基づいて施設・設備の維持管理や学習環境の改善に用いられる SMC 基金は用途に対して額が小さく、新設建物の必要最小限と想定される維持管理費を賄うのがやっとの状態で、既存も含めた学校施設全体の維持管理には十分でない。学校レベルの予算策定は 2011-12 年度に始められたばかりであり、需要に応じた配賦基準の一層の適正化、予算ごとの用途の整理・検討などを通じて、額の充実と同時により効率的な制度への改善が求められる。

3) 女子の就学促進の取り組み

本プロジェクトは前期中等教育のアクセスと施設環境の改善を通じて男女間、地域間の格差解消を目指すものである。対象校でのヒアリングからは、親の女子教育の必要性に対する意識は徐々に変化しているものの、女子の就学を妨げる要因は複雑であり、本プロジェクトの効果が十分に発現するためには施設整備に加えて、SMC を中心とした地域社会・学校関係者が女子教育の必要性を十分理解し、地域での就学促進活動に取り組むことが重要である。そうした活動は SMC の重要な役割の一つと位置付けられており、シンド州政府には SERP で行われた SMC メンバーに対する研修等を通じた能力強化プログラムを更に充実させる等、未就学児童の解消に向けた更なる取り組みの強化が求められる。

4-3 外部条件

1) 治安情勢の安定

「パ国」は異なる言語を持つ多様な民族構成や、封建的な社会構造、地方 - 都市間の経済格差といった国内要因に加え、インド・アフガニスタンとの間に緊張する国境エリアを抱えて、内外の情勢変化の影響で常に治安情勢が流動化する危険性が高い国である。また、政治的にも分離・独立以来、軍政と民政が頻繁に入れ替わる不安定な状況にある。一方、対象となるシンド州は州都カラチを中心とした都市部での一般犯罪の頻発と政治的対立に伴う襲撃や殺人、またイスラム過激派による爆弾テロ等の危険性はあるものの、農村部の治安状況は比較的安定している。本プロジェクトが成功裏に実施されるためには治安情勢の継続的な安定が必須であり、対象地域での治安の悪化はプロジェクトの中断につながる重大な懸案事項である

2) 教育改革の継続

シンド州政府は国家レベルの上位計画である「国家教育政策 2009」に則り SERP、SERPII を実施し、ガバナンスとマネジメントの改善を通じて教育サービス提供の質の向上を目指す改革に取り組んでいる。本プロジェクトはその重要な目標の一つである「2025 年までの前期中等教育の完全普及」と「ジェンダー間、都市-農村間の格差の緩和」を目指し、シンド州政府が進める「既存小学校のアップグレードによる前期中等教育へのアクセス改善」を直接支援するものである。同時に SERP/SERP II では「女子中学校生徒への奨学金の支給」「教科書の無償支給」「SMC の再活性化」「教員採用制度改革」等の一連のプログラムが実施されており、これらが一体となって効果の発現を支えていると考えられる。本プロジェクトもこれら一連の改革が継続あるいは拡充される中でより良い成果が期待できるものであり、シンド州における教育改革の継続はプロジェクトが成功裏に実現するための重要な条件と捉えることができる。2014 年には教育分野の総合計画として「シンド教育セクター計画」が策定されており、その着実な実施が求められる。

4-4 プロジェクトの評価

4-4-1 妥当性

本プロジェクトの妥当性は以下のように認められる。

1) プロジェクトの裨益対象

本プロジェクトの直接的な裨益対象は新設される前期中等クラスに就学する女子生徒約 2,000 人及び建替えられる小学校教室を利用する生徒約 400 人であるが、プロジェクトの実施により地域の前期中等教育の施設環境と就学状況が改善されることで、広く一般国民である対象地域住民全体に裨益するものである。

2) プロジェクト目標と緊急性

本プロジェクトの目標は農村部女子の前期中等教育へのアクセスを拡充し、男女間及び都市・農村間の格差を縮小させることである。対象地域では小学校数に対して女子児童の通える前期中等レベルの学校数が 1/12 と不足しており、通学できる範囲に前期中等教育を提供する学校が無い農村部では、伝統的な女性隔離の社会習慣も相俟って前期中等教育の女子就学率は 15%（純就学率、2013-14 年度）に留まっている。特にシンド州では同就学率は 6%と低く、緊急な改善が求められている。

3) 上位計画との整合性

「パ国」政府は「Vision 2025」において人的資本の強化を他分野の開発の前提となるものと位置付けて優先課題の冒頭に掲げ、教育分野では「国家教育政策 2009」を全国共通の上位計画として、無償の初等教育（5 年間）の 2015 年までの完全普及と 2025 年までの前期中等教育（3 年間）の完全普及を目指している。これに応じてシンド州政府は「教育改革プログラム」及び

「教育セクター計画」の中で既存小学校のアップグレードによる女子前期中等教育のアクセス改善を推進しており、本プロジェクトはその目標達成に直接貢献するものである。

4) 我が国の援助政策・方針との整合性

我が国は「パ国」を地域の平和と安定の鍵となる重要国であるとともに、人口大国として経済・社会面での大きな潜在力を有する国と捉え、「経済成長を通じた安定した持続的な社会の構築」を基本方針に援助を実施している。基礎教育分野は3つの重点分野のひとつ、「人間の安全保障と社会基盤の改善」の中の重要なサブプログラムに位置付けられ、教育機会の改善や安全な学習環境の提供を通じて教育の質の確保を目指す方針が示されている。本プロジェクトはそうした方針に合致するものである。

4-4-2 有効性

(1) 定量的効果

本計画対象事業の実施により定量的効果が期待されるアウトプットは以下の通りである。

- シンド州北部6県の女子小学校25校において、新たに前期中等教育のための施設(75教室)が整備され、前期中等教育女子生徒数が100人(2015-16年度、現地調査)から2,028人(2021年目標値)に増加する。
- シンド州北部6県の女子小学校25校において現在、老朽化により、継続使用が困難な初等学校教室が建替えら、17教室(2021年目標値)が継続使用できるようになる。

(2) 定性的効果

本協力対象事業の実施により定性的効果が期待されるアウトプットは以下の通りである。

- シンド州北部6県の女子小学校6校において、老朽化し、安全性に問題がある既存17教室が建替えられることで、初等教育女子児童の就学環境が改善される。
- 外周塀、便所等が整備されることにより、女子生徒の就学に必要な施設環境が整い、対象である農村地域の女子未就学者数の減少が期待される。

(3) 結論

以上の内容により、本案件の妥当性は高く、また有効性が見込まれると判断される。

資 料

- 1 調査団員・氏名
- 2 調査行程
- 3 関係者（面会者）リスト
- 4 討議議事録（M/D）
- 5 参考資料
- 6 その他の資料・情報
 - 調査対象校運営状況調査結果

1. 調査団員・氏名

1-1 現地調査 II¹ (2012年8月24日～10月13日)

1-2 現地調査 III (2013年4月17日～4月27日)

上記調査については「パキスタン・イスラム共和国シンド州南部農村部女子前期中等教育強化計画準備調査報告書」参照

1-3 現地調査 V (2015年8月18日～9月13日)

総括 (現地調査は未参团)	松山 剛士	JICA 人間開発部 基礎教育グループ 基礎教育第一チーム 企画役
業務主任/建築計画	大澤 智弘	株式会社マツダコンサルタンツ
建築設計	島田 光博	株式会社マツダコンサルタンツ

1-4 現地調査 VI (2015年12月6日～12月12日)

総括	松山 剛士	JICA 人間開発部 基礎教育グループ 基礎教育第一チーム 企画役
計画管理	ゾウゾウアウン	JICA 人間開発部 基礎教育グループ 基礎教育第一チーム
業務主任/建築計画	大澤 智弘	株式会社マツダコンサルタンツ
施工計画/機材調達計画/積算	西矢 尚人	株式会社マツダコンサルタンツ

¹ 本調査は2010年度に実施された現地調査I及び現地調査I(その2)の結果を引き継いで実施された。

2. 調査行程

2-1 現地調査 II

2-2 現地調査 III（準備調査報告書案概要説明）

上記調査については「パキスタン・イスラム共和国シンド州南部農村部女子前期中等教育強化計画準備調査報告書」参照

2-3 現地調査 V

			コンサルタント団員	
			業務主任・建築計画	建築設計
1	8月18日	火	Tokyo →Bangkok / Bangkok→ Karachi	
2	19日	水	シンド州教育識字局協議（インセプション説明、調査日程調整他）	
3	20日	木	ローカルコンサルタント協議（事前サイト踏査結果確認）、建設事情調査	
4	21日	金	積算調査（家具・機材見積り依頼）、Sukkur へ移動	
5	22日	土	Sukkur 県教育事務所協議、サイト踏査（Su02, Su03, Su04）	
6	23日	日	資料整理	
7	24日	月	Ghotki 県教育事務所協議、サイト踏査（Gh01, Gh06）	
8	25日	火	サイト踏査（Gh02, Gh03, Gh04）	
9	26日	水	Khairpur 県教育事務所協議、サイト踏査（Kh01, Kh08, Kh09）	
10	27日	木	サイト踏査（Kh02, Kh03, Kh08）	
11	28日	金	サイト踏査（Kh05, Kh06, Kh07）	
12	29日	土	Shikarpur 県教育事務所協議、サイト踏査（Sh01） Larkana へ移動	
13	30日	日	資料整理	
14	31日	月	Larkana 県教育事務所協議、サイト踏査（La01, La02, La03）	
15	9月1日	火	サイト踏査（Da04, Da05）、Larkana 建設事情調査	
16	2日	水	サイト踏査（Da01, Da02, Da03）、Hyderabad へ移動	
17	3日	木	調査結果整理	施設配置案検討
18	4日	金	団内会議（調査結果、方針） 書類作成	施工計画・建設事情調査
19	5日	土	南部案件現場視察（Mirpurkhas 県 5 サイト）、Hyderabad 市内施工計画・建設事情調査	
20	6日	日	資料整理	
21	7日	月	書類作成	詳細設計資料作成
22	8日	火	Karachi へ移動、JICS カラチ事務所協議 シンド州教育識字局協議（サイト踏査結果報告）	
23	9日	水	教育計画補足調査 シンド州教育識字局協議（テクニカルノート）	施工計画・建設事情調査
24	10日	木	ローカルコンサルタント協議（入札図書作成参考資料に係る指示） 教育計画補足調査	施工計画・積算補足調査
25	11日	金	施工計画・積算補足調査、テクニカルノート署名	
26	12日	土	ローカルコンサルタント補足協議 施工計画・積算補足調査、Karachi →	
27	13日	日	→Bangkok →Tokyo	

2-4 現地調査 VI (準備調査報告書案概要説明)

2015年			官団員		コンサルタント団員	
			総括	計画管理	業務主任/建築計画	施工計画/積算
1	12月6日	日	羽田→バンコク→カラチ	(他案件調査から合流)	羽田→バンコク→カラチ	
2	12月7日	月	シンド州教育識字局 (概要説明・協議) 団内会議			
3	12月8日	火	シンド州教育識字局 (ミニッツ協議) 教育識字局次官・開発計画局次官表敬、署名			
4	12月9日	水	日本国領事館表敬 (安全対策) カラチ→ハイデラバードへ移動 南部案件サイト視察 (Ja03、Hy02、Hy03)			
5	12月10日	木	南部案件サイト視察 (Mi01、Mi07、Ta04) ハイデラバード→カラチへ移動、カラチ→イスラマバード			
6	12月11日	金	連邦財務局 (EAD) 表敬 JICA 事務所、日本国大使館報告、イスラマバード→			
7	12月12日	土	→バンコク→羽田			

3. 関係者（面談者）リスト²

パキスタン国側関係機関

Education & Literacy Department, the Government of Sindh シンド州教育識字局

Dr. Fazlullah Pechuho	Secretary	教育次官
Mr. Rehan Iqbal Baloch	Additional Secretary (P&D, Finance)	計画開発財務担当次官補
Mr. Zahoor Muhammad Qzai	Assistant Director (P&D)	計画開発担当副部長

Planning & Development Department, the Government of Sindh シンド州開発計画局

Mr. Aijaz Ali Khan	Additional Chief Secretary	筆頭次官補
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Sukkur Region/District サッカ地方/県

Ms. Zaibun Nisa Mangi	Director of School Education (Primary)	学校教育長（初等教育）
Mr. Hafiz Shahabuddin	Deputy Director of DSE (Primary)	同副教育長
Ms. Hameeda Jawi	TEO Primary (F) Pano Akil	郡初等教育担当官
Ms. Aisha Mirza	TEO Primary (F) New Sukkur	郡初等教育担当官
Mr. Hafiz Lal Muhammad	TEO Primary (M) New Sukkur	郡初等教育担当官
Ms. Yasmin Khoso	Headmistress, GGPS Miandad Khoso (Su02)	Su02 学校長
Ms. Ayaz Abbaji	Headmistress, GGPS Sorho (Su03)	Su03 学校長

Khairpur District ハイルプール県

Mr. Liaquet Ali Khaghkeli	District Education Officer (Prim./ Sec.)	県教育長
Mr. Hameeduzzam Mahar	Deputy DEO (Adm)	県副教育長（管理）
Ms. Nighat Sullaie Khaan	TEO Primary (F) Khairpur	郡初等教育担当官
Ms. Zaib M. Nisa Bhullo	TEO	郡初等教育担当官
Mr. Abdullah Jamori	TEO Nara	郡初等教育担当官
Ms. Bilgees	Headmistress, GGPS Wapda Colony (Kh01)	Kh01 学校長
Ms. Rastan	Headmistress, GGPS Hadi Bux Laghari (Kh02)	Kh02 学校長
Ms. Yasmin	Headmistress, GGPS Haji Ali Dad Jogi (Kh03)	Kh03 学校長
Ms. Pathani	Headmistress, GGPS Bajeed Fakir (Kh05)	Kh05 学校長
Ms. Zainab Khatoon	Headmistress, GGPS Ameen Patho (Kh06)	Kh06 学校長
Ms. Ghram Shabiiram Rajper	Headmistress, GGPS Wazirabad Rajper (Kh07)	Kh07 学校長
Ms. Fiza	Headmistress, GGPS Gambal Shah (Kh08)	Kh08 学校長
Ms. Abida Parveen	Headmistress, GGPS Jani Boro (Kh09)	Kh09 学校長
Mr. Sanghaz Ali	Headmaster, GGPS Karim Bux Bhambhro (Kh11)	Kh11 学校長

Ghotki District ゴトキ県

Mr. Abdul Majid Bullo	District Education Officer, Ghotki	県教育長
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² 現地調査 II、III の主要面談者については、「パキスタン・イスラム共和国シンド州南部農村部女子前期中等教育強化計画準備調査報告書」参照。

Mr. Ahmed Uddin Mwani	DEO Primary	初等教育担当部長
Ms. Humaisa Chacher	TEO Primary (F) Ghotki	郡初等教育担当官
Ms. Perveen	Headmistress, GGPS Officer Colony Ghotki (Gh01)	Gh01 学校長
Ms. Ameer Khatoon	Headmistress, GGPS Sheroo Mahar (Gh06)	Gh06 学校長
Ms. Rasheeda	Headmistress, GGPS Nawab Khan Pitafi (Gh02)	Gh02 学校長
Ms. Shabnem Akram	Headmistress, GGPS Kamoon Shaheed (Gh03)	Gh03 学校長
Ms. Ghulam Sughra	Headmistress, GGPS Belo Naich (Gh04)	Gh04 学校長
<u>Larkana Region/District</u>	ラルカナ地方/県	
Mr. Nawab Ali Khokhan	District Education Officer (Primary)	県教育長
Mr. Muham. Hasssan Solangt	A.O.	
Mr. Gulbahar Magi	Assistant Director for DEO	県教育長補佐
Ms. Naheed Sario	Headmistress, GGPS Gund (La01)	La01 学校長
Ms. Akhtiar	Headmistress, GGPS Nai Gud (La02)	La02 学校長
Ms. Rehana Parveen	Headmistress, GGPS Model Community Tharecha (La03)	La03 学校長
<u>Shikharpur District</u>	シカルプール県	
Mr. Intizar Hussain Sheikh	Deputy District Education Officer	県副教育長
Ms. Leenat Mangi	TEO Primary (F) Khanpur	郡初等教育担当官
Ms. Razia Begum	Headmistress, GGPS Khanpur II (Sh01)	Sh01 学校長
<u>Dadu District</u>	ダドゥ県	
Ms. Samreen Bhutto	Headmistress, GGPS Kamaluddin Village Kaheri (Da01)	Da01 学校長
Ms. Um Salma	Headmistress, GGPS Chhano Shahabad (Da02)	Da02 学校長
Ms. Rozina	Headmistress, GGPS Aminani (Da03)	Da03 学校長
Ms. Gulshad	Headmistress, GGPS Gharib Abad Radhan (Da04)	Da04 学校長
Ms. Rukhsana	Headmistress, GGPS Wari Muham Gorar (Da05)	Da05 学校長
日本国側関係機関		
<hr/>		
Embassy of Japan in Pakistan	在パキスタン日本国大使館	
Mr. Takashi Harada	Counsellor, Economic & Development	参事官
Mr. Yuichi Kuroda	First Secretary	一等書記官
Consulate General of Japan in Karachi	在カラチ日本国総領事館	
Mr. Yasuharu Shinto	Deputy Consul General	首席領事
Japan International Cooperation System	日本国際協力システム	
Mr. Toshiyuki Omoto	Project Manager	プロジェクトマネージャー

4. 討議議事録 (M/D)

4-1 現地調査 VI

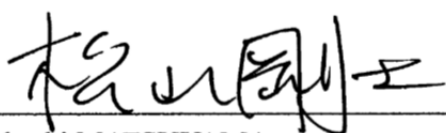
**Minutes of Discussions
on the Preparatory Survey for the Project for
Upgrading Primary Girls Schools into Elementary Schools in Northern Rural Sindh
(Explanation on Draft Preparatory Survey Report)**

On the basis of the discussions and field survey in Islamic Republic of Pakistan (hereinafter referred to as "Pakistan") from August 2015 until September 2015, and the subsequent technical examination of the results in Japan, the Japan International Cooperation Agency (hereinafter referred to as "JICA") prepared a draft Preparatory Survey Report on the Project for **Upgrading Primary Girls Schools into Elementary Schools in Northern Rural Sindh** (hereinafter referred to as "the Draft Report").

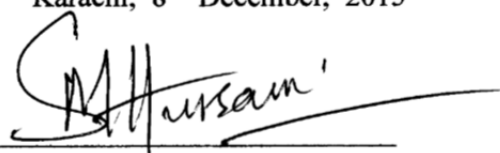
In order to explain the Draft Report and to consult with the concerned officials of the Government of Pakistan on its contents, JICA sent to Pakistan the Preparatory Survey Team for the explanation of the Draft Report (hereinafter referred to as "the Team"), headed by Mr. Takeshi Matsuyama, Advisor, Basic Education Group, Human Development of JICA, and is scheduled to stay in the country from 6th December to 11th December, 2015.

As a result of the discussions, the both sides confirmed the main items described in the attached sheets.

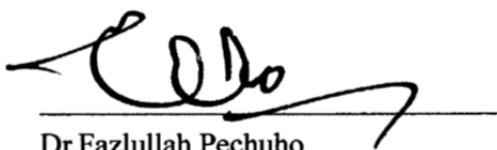
Karachi, 8th December, 2015



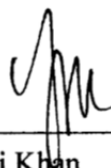
Takeshi MATSUYAMA
Leader
Preparatory Survey Team
Japan international Cooperation Agency



Syed Mujtaba Hussain
Joint Secretary
Economic Affairs Division
Islamic Republic of Pakistan



Dr. Fazlullah Pechuho
Secretary
Education and Literacy Department
Government of Sindh



Aijaz Ali Khan
Additional Chief Secretary
Planning and Development Department
Government of Sindh

ATTACHMENT

1. Objective of the Project

The objective of the Project is to reduce gender gap in rural areas of northern rural Sindh by upgrading primary schools into elementary schools through the expansion of facilities and the installation of equipment for elementary schools, thereby contributing to improve the access to basic education for girls.

2. Title of the Preparatory Survey

The both sides confirmed the title of the Preparatory Survey as “the Preparatory Survey for the Project for Upgrading Primary Girls Schools into Elementary Schools in Northern Rural Sindh”.

3. Project Sites, Priority of Sites and Components

The both sides confirmed the Project sites, Priority Sites and Components, which are shown in Annex 1. The both sides agreed that in case of shortage of the Project budget, the Project components will be reduced according to the priority mentioned in Annex 1. The detail will be discussed at the implementation stage.

4. Responsible and Concerned Organization

The responsible organization of the Project is Department of Education and Literacy of the Government of Sindh and the organization chart is shown in Annex2. The concerned organizations of the Project are Planning and Development Department , and Finance Department of the Government of Sindh.

5. Contents of the Draft Report

After the explanation of the contents of the Draft Report by the Team, the Pakistani side agreed in principle to its contents.

6. Cost Estimation

The both sides confirmed that the Project cost estimation shown in Annex 3 was provisional and would be examined further by the Government of Japan for its final approval.

7. Confidentiality of the Cost Estimation and Specifications

The both sides confirmed that the Project cost estimation and technical specifications in the Draft Report should never be duplicated or disclosed to any third parties until all the contracts of the Project are concluded.

8. Japanese Grant Aid for Community Empowerment

The Pakistani side understood the Japanese Grant Aid for Community Empowerment and its procedures as described in Annex 4 and Annex 5, and necessary measures to be taken by the Government of Pakistan.

9. Project Implementation Schedule

The both sides confirmed that the expected implementation schedule is as attached in Annex 6.

10. Expected outcomes and Indicators

The both sides agreed that key indicators for expected outcomes are as follows. The Pakistani side has responsibility to monitor the progress of the indicators and achieve the target in year 2021.

(1) Quantitative Outcomes

Indicator	Baseline (2015)	Target (2021)*
The number of girl students studying in targeted 25 schools	100	2,028
The number of deteriorated primary school classrooms available for the continual use	0	17

*After three years of the completion of the construction

(2) Qualitative Outcomes

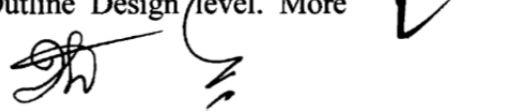
- Improve the learning environment of girls students from primary schools by the reconstruction of unsecure classrooms.
- Reduce the number of out of school girl students by providing necessary facilities and environment for learning through the installment of toilet rooms and outer walls.

11. Technical assistance (“Soft Component” of the Project)

There is no technical assistance (“Soft Component” of the Project) which is provided under the Project.

12. Undertakings to be taken by Both Sides

The both sides confirmed undertakings described in Annex 7. The Pakistani side assured to take the necessary measures and coordination including allocation of the necessary budget which is preconditions of implementation of the Project. It is further agreed that the costs are indicative, i.e. at Outline Design level. More



accurate costs will be calculated at the Detailed Design stage. Contents of Annex 8 will be updated as the Detailed Design progresses, and will finally be the Attachment to the Grant Agreement.

13. Ex-Post Evaluation

JICA will conduct ex-post evaluation three (3) years after the project completion with respect to five evaluation criteria (Relevance, Effectiveness, Efficiency, Impact, Sustainability) of the Project. Result of the evaluation will be publicized. The Pakistani side is required to provide necessary support for them.

14. Schedule of the Study

JICA will complete the Final Report of the Preparatory Survey in accordance with the confirmed items and send it to the Pakistani side around May 2016.

15. Environmental and Social Considerations

The Project is likely to have minimal adverse impact on the environment under the 'JICA Guidelines for Environmental and Social Considerations (April 2010)'.

16. Other Relevant Issues

16-1. Operation and Maintenance of the Facilities and Equipment

The Team explained the importance of operation and maintenance of the facilities constructed by the Project considering that proper asset management impacts greatly on life-span of the facilities and its maintenance cost. The Pakistani side shall secure enough personnel and budgets necessary for appropriate operation and maintenance of the facilities. The annual operation and maintenance costs are estimated and shown in Annex 8.

16-2. Disclosure of Information

The both sides confirmed that the study results excluding the Project cost will be disclosed to the public after completion of the Preparatory Survey. All the study results will be disclosed to the public after all the contracts for the Project are concluded.

16-3. Project Timeline Extension

The Pakistani side agreed to examine the necessity of the Project timeline extension in fiscal year 2016 of Pakistan and to undertake necessary procedures.



Annex 1 : Project Sites, Priority of Sites and Components

Annex 2 : Organization Chart

(Department of Education and Literacy of the Government of Sindh)

Annex 3 : Project Cost Estimation

Annex 4 : Grant Aid for Community Empowerment of the Government of Japan

Annex 5 : Flow-chart of Funds & Services for the Implementation of Japan's Grant Aid
for Community Empowerment

Annex 6 : Project Implementation Schedule

Annex 7 : Major Undertakings to be taken by Each Government

Annex 8 : The Annual Operation and Maintenance Cost



Annex 1: Project Sites, Priority of Sites and Components

Project Sites

Region	District	S. No	Taluka	Union council	SEMIS Code	School name	Rating	Rating
SUKKUR	KHAIRPUR	Kh-01	Khairpur	Shahdi Shaheed	415030332	GGPS- Wapda Colony		
		Kh-02	Mir Wah	Hindyari	415060527	GGPS- Hadi Bux Laghari		
		Kh-03	Mir Wah	THARI	415060557	GGPS- ALI DAD JOGI		
		Kh-05	Faiz Ganj	Bhangu Behan	415010517	GGPS- Bajeed Fakir		C
		Kh-06	Faiz Ganj	Razabad	415010100	GGPS- Ameen Patho		
		Kh-07	Faiz Ganj	Pakka Chand	415010356	GGPS- Wazirabad Rajper		
		Kh-08	Kot Diji	Fateh Pur	415050251	GGPS- Gambal Shah		
		Kh-09	Kot Diji	Lyari	415050286	GGPS- Jani boro		
	SUKKUR	Su-02	Sukkur	Rahuja	418050063	GGPS- Miandad Khoso		
		Su-03	Pano Akil	Nidapur	418010560	GGPS- Sorho		
		Su-04	Pano Akil	Dadlo	418010225	GGPS- Moto Mirbahar		
	GHOTKI	Gh-01	Ghotki	Ghotki-I	419010151	GGPS- Officer Colony Ghotki		
		Gh-02	Daharki	Dad Kaghari	419050268	GGPS- Nawab Khan Pitafi		
		Gh-03	Daharki	Kamoon Shaheed	419030149	GGPS- Kamoon shaheed		
Gh-04		Mirpur Mathelo	Dhangro	419020096	GGPS- Belo Nich			
Gh-06		Khan Garh	Mithar	419040100	GGPS- Shero Mahar			
LARKANA		SHIKARPUR	Sh-01	Khanpur	Khanpur	414020104	GGPS- Khanpur - II	
LARKANA	La-01	Dokri	Badah-II	413010040	GGPS- Gund			
	La-02	Bakaarni	Puranno abad	413040145	GGPS- Nai Gudd			
	La-03	Bakaarni	Gerello	413040177	GGPS- Model community Thaercha			
HYDERA-	DADU	Da-01	Dadu	Mian Yar Muh.	402010282	GGPS- Kamaluddin Village Kanhari		C
BAD	Da-03	Dadu	Khudaabad	402010272	GGPS- Uminani			
	Da-04	Mehar	Radhan Station	402040151	GGPS- Garib Abad Radhan			
	Da-05	Mehar	Thariri Muhabat	402040143	GGPS- Wali Muhammad Gorar			

* Rating C: The number of class-VI students is 15~20 at the time of project completion.

(Usage exceeding 50% of classroom capacity is expected.)

Priority of Sites and Components

Priority	District	Site	No. of sites	Project components					
				Facilities			Comp-ound wall	Furni-ture	Equipment (PC equipment)
				CR block	(No. of CRs)	Lavatory block			

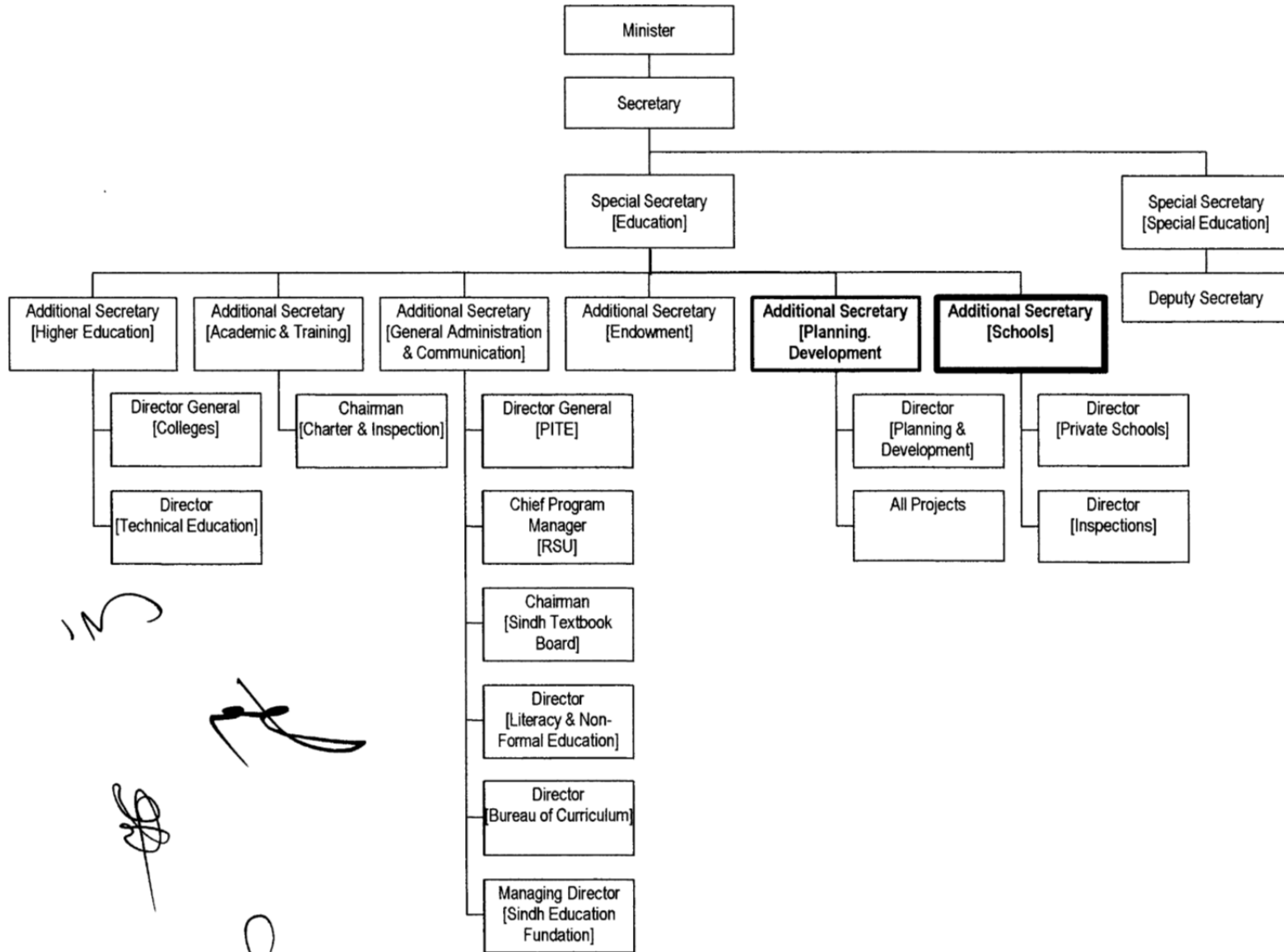
1st priority	Khairpur	Kh01, Kh02, Kh03, Kh06, Kh07, Kh08, Kh09	7	✓	27+7	✓	✓	3rd priority	4th priority	35 sets
	Sukkur	Su02, Su03, Su04	3	✓	12+3	✓	✓			15 sets
	Ghotki	Gh01, Gh02, Gh03, Gh04, Gh06	5	✓	18+5	✓	✓			25 sets
	Shikarpur	Sh01	1	✓	3+1	-	✓			5 sets
	Larkana	La01, La02, La03	3	✓	16+3	✓	✓			15 sets
	Dadu	Da03, Da04, Da05	3	✓	9+3	✓	✓			15 sets
2nd priority	Khairpur	Kh05, Kh11	2	✓	6+2	✓	✓			10 sets
	Dadu	Da01	1	✓	3+1	✓	✓			5 sets

	Total		25		94+25					125 sets
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*The number of classrooms includes regular classrooms and multipurposes classrooms.

*CR = Classroom

ANNEX 2: Organization Chart (Department of Education and Literacy of the Government of Sindh)



Annex 3: Project Cost Estimation (CONFIDENTIAL)

1. Initial Cost Estimation

Based upon the scope of works mentioned in the Draft Report, the total amount required to implement the Project is estimated to be 1,002 million Japanese Yen under the conditions described below. The following initial cost estimate is provisional and would be further examined by the Government of Japan for approval of the Grant.

(1) Expenses to be borne by the Japanese side

Item		Estimated Cost (million yen)		
Facilities	Building Construction	516.7	587.8	613.0
	Furniture	71.1		
Equipment			25.2	
Procurement Agent				121.8
Consulting Service				259.0
Others (Lawyer's Fee)				3.1
Total				996.9

(2) Expenses to be borne by the Pakistani side

Item	Estimated Cost (1,000 Rs.)	Equivalent to (million yen)
Demolition of existing structures (2 sites)	913.0	1.1
Electricity distribution	1,956.7	2.4
Construction of an access road (1 site)	84.0	0.1
Relocation of low-voltage power lines and open ditches (2 sites)	92.0	0.1
Commission to banking services related to banking arrangements and payments	815.2	1.0
Total	3,860.9	4.7

(3) Conditions of Estimation

- Estimation as of : September 2015
- Foreign Exchange rate : 1US\$=124.40 JPY, 1US\$=101.71 Rs, 1Rs=1.22308 JPY
(Rs: Pakistan Rupee)
- Implementation Period : As shown in the implementation schedule.
- Other Conditions : The Project is to be implemented in accordance with the Japan's grant aid modality.

ANNEX 4: Grant Aid for Community Empowerment of the Government of Japan

The Government of Japan (hereinafter referred to as “the GOJ”) is implementing the organizational reforms to improve the quality of ODA operations, and as a part of this realignment, the new JICA law was entered into effect on October 1, 2008. Based on the law and the decision of the Government of Japan (hereinafter referred to as “the GOJ”), JICA has become the executing agency of Grant Aid for Community Empowerment (hereinafter referred to as “GACE”).

The Grant Aid provides the government of a recipient country (hereinafter referred to as “the Recipient”) with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

1. Procedures for GACE

GACE is executed through the following procedures.

Application	Request made by a recipient country
Survey	Preparatory Survey conducted by JICA
Appraisal & Approval	Appraisal by the Government of Japan and JICA, and Approval by the Japanese Cabinet
Determination of Implementation	The Notes (hereinafter referred to as “E/N”) exchanged between the Governments of Japan and the recipient country
Grant Agreement (hereinafter referred to as “the G/A”)	Agreement concluded between JICA and a recipient country
Implementation	Implementation of the Project on the basis of the G/A

Firstly, the application or request for a GACE Project submitted by the Recipient is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for GACE.

Secondly, if the request is deemed appropriate, the Government of Japan entrusts JICA (Japan International Cooperation Agency) to conduct the Preparatory Survey, using a Japanese consulting firm.



Thirdly, the Government of Japan and JICA appraise the Project to see whether or not it is suitable for Japan's GACE, based on the Preparatory Survey report prepared by JICA, and the results are then submitted to the Japanese Cabinet for approval.

Fourthly, the Project, once approved by the Cabinet, becomes official with the Exchange of Notes (E/N) signed by the Governments of Japan and the Recipient.

Simultaneously, the Grant will be made available by concluding a Grant Agreement (hereinafter referred to as "G/A") between the Government of the Recipient Country or its designated authority and the Japan International Cooperation Agency (JICA). JICA is designated by the Government of Japan as an organization responsible for the proper execution of the Grant.

Procurement Agent ("the Agent") is designated to conduct the procurement services of products and services (including fund management, preparing tenders, contracts and so on) for GACE on behalf of the Recipient. The Agent is an impartial and specialized organization and shall render services according to the Agent Agreement with the Recipient. The Agent is recommended to the Recipient by the Government of Japan and agreed between the two Governments in the Agreed Minutes ("A/M").

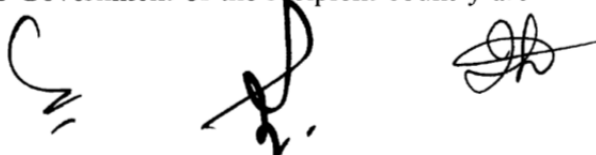
2. Preparatory Survey

1) Contents of the Survey

The aim of the Preparatory Survey ("the Survey"), conducted by JICA on a requested Project ("the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan and JICA. The contents of the Survey are as follows:

- (1) Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies and communities concerned of the recipient country necessary for the Project's implementation;
- (2) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme for Community Empowerment from a technical, social and economic point of view;
- (3) Confirmation of items agreed upon by both parties concerning the basic concept of the Project;
- (4) Preparation of an outline design of the Project ;
- (5) Estimation of cost for the Project ; and
- (6) Preparation of reference documents for tender.

The contents of the original request by the Government of the recipient country are



agreed upon between the Recipient and JICA at the time of the signing of the G/A. Essential points to be agreed upon are outlined as follows:

- a) JICA executes the Grant by making payments of the amount agreed upon in the E/N and pays serious attention to ensure the accountability on proper and effective use of the Grant for the Project.
- b) The products and services shall be procured and provided in accordance with “Procurement Guidelines of Japan’s Grant Aid for Community Empowerment (Type I – C)”.
- c) The Government of the recipient country shall conclude an employment contract with the Agent.
- d) The Government of the recipient country shall designate the Agent as the representative acting in the name of the Government of the recipient country concerning all transfers of funds to the Agent.

3) Focal Points of JICA’s “Procurement Guidelines of Japan’s Grant Aid for Community Empowerment (Type I – C)”

a) The Agent

The Agent is the organization which provides procurement services of products and services on behalf of the Recipient according to the Agent Agreement with the Recipient. The Agent is recommended to the Recipient by the Government of Japan and agreed between the two Governments in the A/M.

b) Agent Agreement

The Recipient shall conclude an Agent Agreement, within two (2) months after the date of entry into force of the G/A, in accordance with the A/M. The scope of the Agent’s services shall be clearly specified in the Agent Agreement.

c) Approval of the Agent Agreement

The Agent Agreement, which is prepared as two identical documents, shall be submitted to JICA by the Recipient through the Agent. JICA confirms whether or not the Agent Agreement is concluded in conformity with the E/N, the G/A, and the JICA’s Procurement Guidelines of Japan’s Grant Aid for Community Empowerment, and approves the Agreement. The Agent Agreement concluded between the Recipient and the Agent shall become effective after the approval by JICA in a written form.



d) Payment Methods

The Agent Agreement shall stipulate that "regarding all transfers of the fund to the Agent, the Recipient shall designate the Agent to act on behalf of the Recipient and issue a Blanket Disbursement Authorization ("the BDA") to conduct the transfer of the fund (Advances) to the Procurement Account from the Recipient Account."

The Agent Agreement shall clearly state that the payment to the Agent shall be made in Japanese yen from the Advances and that the final payment to the Agent shall be made when the total Remaining Amount becomes less than 3 % of the Grant and its accrued interest excluding the Agent's fees.

e) Products and Services Eligible for Procurement

Products and services to be procured shall be selected from those defined in the G/A.

f) Firms

In principle, the consultant firm who carried out the Preparatory Survey will be recommended by JICA to the recipient country as the supervisor of the Project's implementation after the E/N and the G/A signing, in order to maintain technical consistency. Besides, consultants of any nationality will be contracted for detailed design study and supervising works. Firms of any nationality could be contracted as contractors and suppliers as long as the firm satisfies the conditions specified in the tender documents.

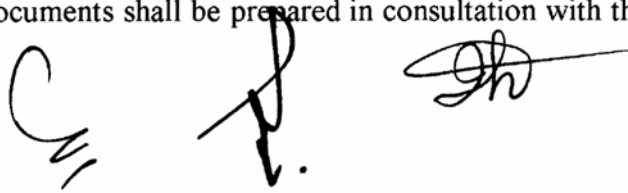
g) Method of Procurement

In implementing procurement, sufficient attention shall be paid so that there is no unfairness among tenderers who are eligible for the procurement of products and services. For this purpose, competitive tendering shall be employed in principle.



h) Tender Documents

The tender documents should contain all information necessary to enable tenderers to prepare valid offers for the products and services to be procured by GACE. The rights and obligations of the Recipient, the Agent and the Suppliers of the products and services should be stipulated in the tender documents to be prepared by the Agent. Besides this, the tender documents shall be prepared in consultation with the Recipient.



i) Pre-qualification Examination of Tenderers

The Agent may conduct a pre-qualification examination of tenderers in advance of the tender so that the invitation to the tender can be extended only to eligible firms. The pre-qualification examination should be performed only with respect to whether or not the prospective tenderers have the capability of accomplishing the contracts concerned without fail. In this case, the following points should be taken into consideration:

- (1) Experience and past performance in contracts of a similar kind;
- (2) Property foundation or financial credibility; and
- (3) Existence of offices, etc. to be specified in the tender documents.

j) Tender Evaluation

The tender evaluation should be implemented on the basis of the conditions specified in the tender documents. Those tenders, which substantially conform to the technical specifications, and are responsive to other stipulations of the tender documents, shall be judged in principle on the basis of the submitted price, and the tenderer who offers the lowest price shall be designated as the successful tenderer.

The Agent shall prepare a detailed tender evaluation report clarifying the reasons for the successful tender and the disqualification and submit it to the Recipient to obtain confirmation before concluding the contract with the successful tenderer. The Agent shall, before a final decision on the awards is made, furnish JICA with a detailed evaluation report of tenders, giving the reasons for the acceptance or rejection of tenders.

k) Additional Procurement

If there is an additional procurement fund after competitive and / or selective tendering and / or direct negotiation for a contract, and the Recipient would like an additional procurement, the Agent is allowed to conduct an additional procurement, following the points mentioned below:

(1) Procurement of the same products and services

When the products and services to be additionally procured are identical with the initial tender and a competitive tendering is judged to be disadvantageous, the additional procurement can be implemented by a direct contract with the successful tenderer of the initial tender.



(2) Other procurements

When products and services other than those mentioned above in (1) are to be procured, the procurement should be implemented through a competitive tendering. In this case, the products and services for additional procurement shall be selected from among those in accordance with the E/N and the G/A.

l) Conclusion of the Contracts

In order to procure products and services in accordance with the G/A, the Agent shall conclude contracts with firms selected by tendering or other methods.

m) Terms of Payment

The contract shall clearly state the terms of payment. The Agent shall make payment from the "Advances", against the submission of the necessary documents from the Firm on the basis of the conditions specified in the contract, after the obligations of the Firm have been fulfilled. When the services are the object of procurement, the Agent may pay certain portion of the contract amount in advance to the firms on the conditions that such firms submit the advance payment guarantee worth the amount of the advance payment to the Agent.

f) Major Undertakings to be taken by the Government of the recipient country

(a) In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

(1) to secure lots of land necessary for the implementation of the Project and to clear the sites ;

(2) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities necessary for the implementation of the Project outside the sites referred to in (a) above;

(3) to ensure prompt customs clearance and to assist internal transportation in the recipient country and to assist internal transportation therein of the products;

(4) to ensure that customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the purchase of the Components as well as the employment of the Agent be exempted/be borne by its designated authority without using the Grant and its accrued interest;



(5) to accord Japanese nationals and / or nationals of third countries, including such nationals employed by the Agent, whose services may be required in connection with the supply of the Components such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work (The term "nationals" whenever used in the G/A means Japanese physical persons or Japanese juridical persons controlled by Japanese physical persons in the case of Japanese nationals, and physical or juridical persons of third countries in the case of nationals of third countries.);

(6) to ensure that the Facilities and the Components be maintained and used properly and effectively for the implementation of the Project;

(7) to bear all the expenses, other than those covered by the Grant and its accrued interest, necessary for the implementation of the Project; and

(8) to give due environmental and social consideration in the implementation of the Project.

(b) Upon the request of JICA, the Recipient shall provide JICA with necessary information on the Project.

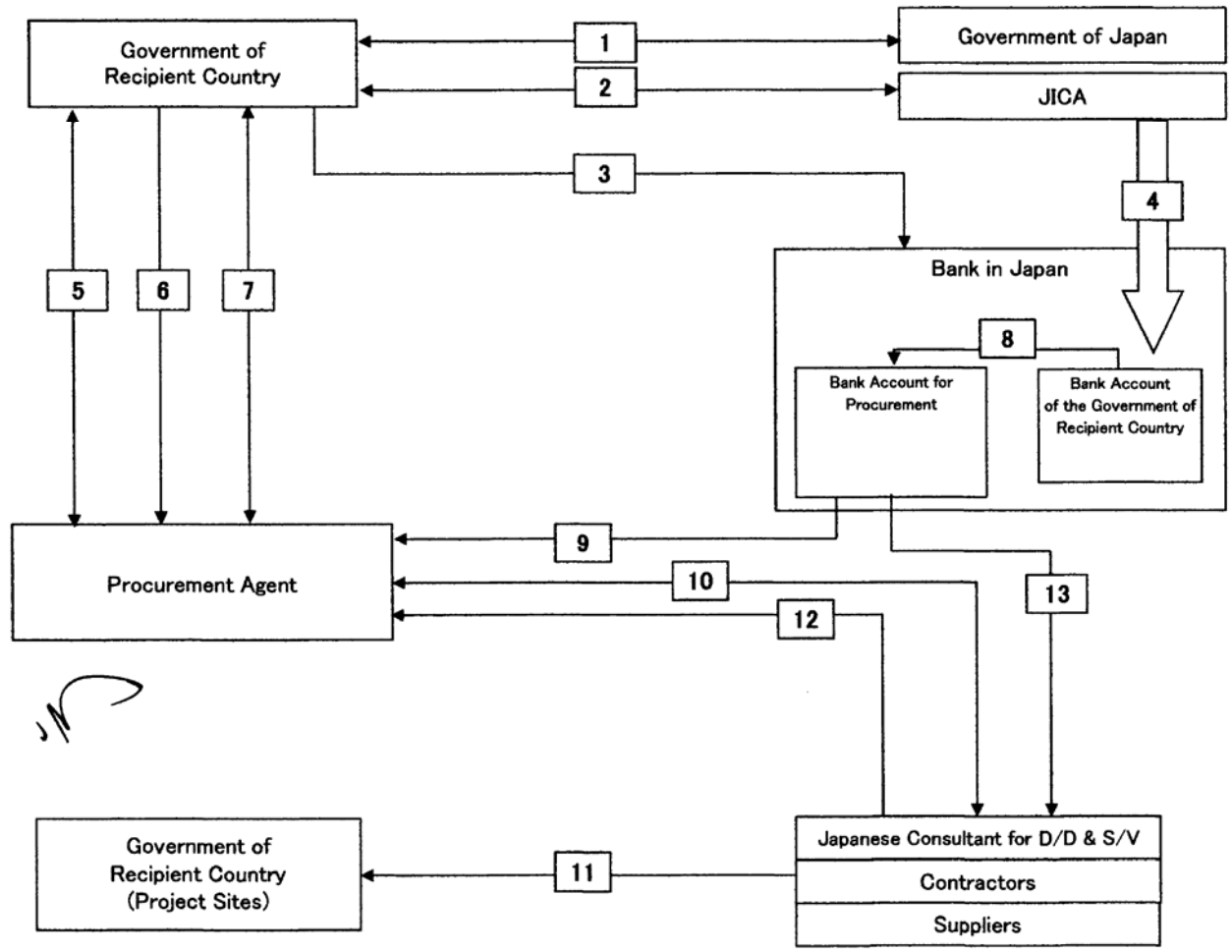
(c) With regard to the shipping and marine insurance of the products procured by the Project, the Recipient shall refrain from imposing any restrictions that may hinder fair and free competition among the shipping and marine insurance companies.

(d) The products procured by the Project shall not be exported or re-exported from the recipient country.

(e) The Recipient shall ensure that any official of its government does not undertake any part of the Japanese nationals' work and / or the work of nationals of third countries on purchase of the Components.

Handwritten signatures in black ink, including a large signature on the right side of the page and three smaller signatures below the text of paragraph (e).

Annex 5: Flow-chart of Funds & Services for the Implementation of Japan's Grant Aid for Community Empowerment



- 1** Signing of Exchange of Notes (E/N)
- 2** Signing of Grant Agreement (G/A)
- 3** Banking Arrangement (B/A)
- 4** Disbursement of Funds
- 5** Signing of Agreement for Agent (A/A)
- 6** Blanket Disbursement Authorization (BDA)
- 7** Decision on the Components of the Project: Facilities & equipments
- 8** Transfer of Funds
- 9** Payment of Remuneration to the Agent
- 10** Conclusion of Contract
- 11** Construction and/or Procurement of Equipment
- 12** Application for Payment
- 13** Payment

A21

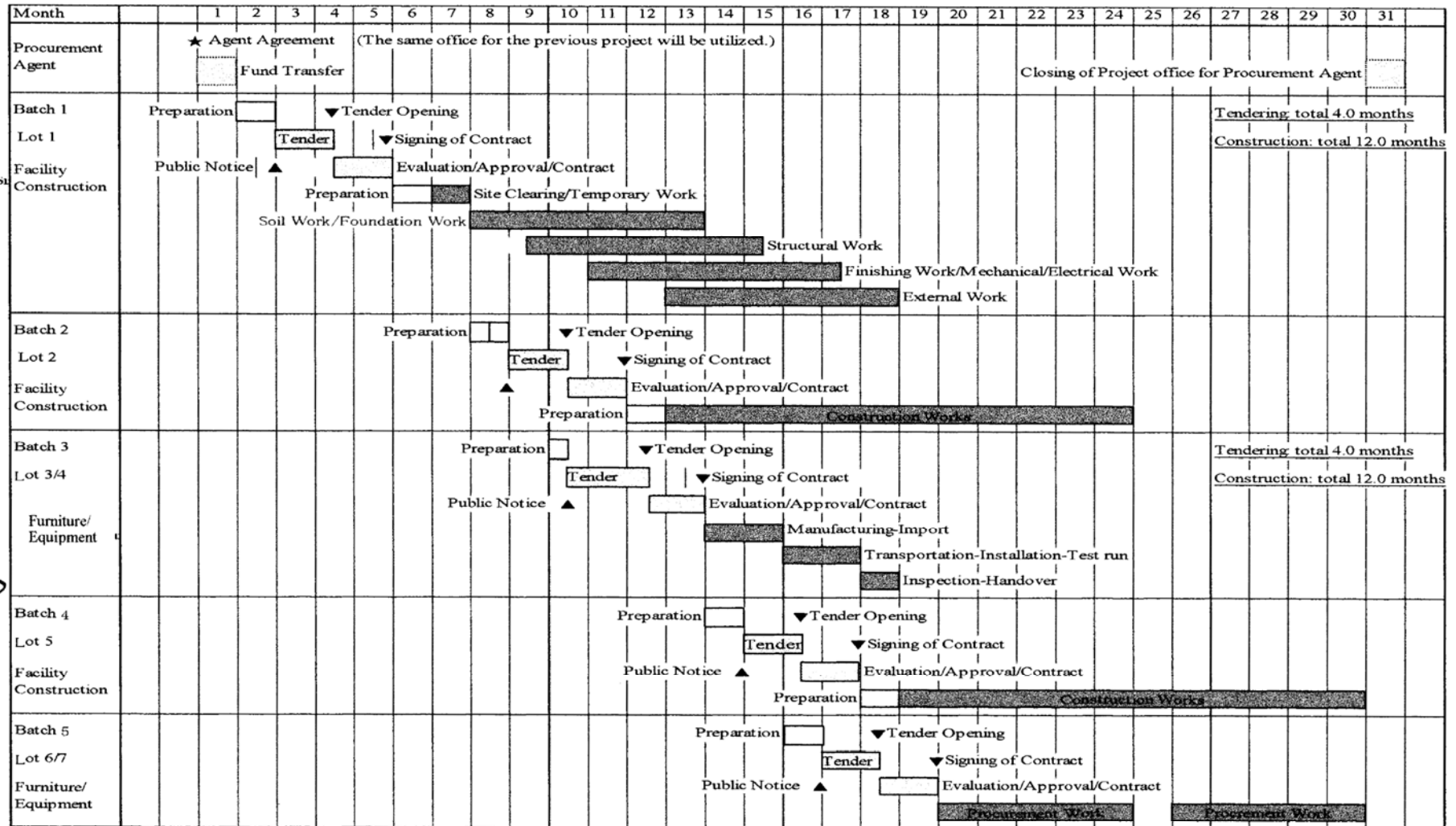
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Annex 6: Project Implementation Schedule



A22



Major Undertakings to be taken by Recipient Government

1. Before the Tender

NO	Items	Deadline	In charge	Cost ('000PKR)	Ref.
1	To open Bank Account (Banking Arrangement (B/A))	within 1 month after G/A	Coordinated by ELD	-	
2	To complete the extension of project timeline if needed	June 2017	ELD	-	
3	To secure the following lands 1) project sites (plots of 25 existing schools and lands for extension of 17 schools adjacent to the school plots)	before notice of the tender	DEO-ELD	-	
4	To demolish and remove existing structures in the site of Su02 and in the extended land of La02	before notice of the tender	DEO-ELD	913.0	
5	To construct access road between the main road to the school entrance at the site Kh07	before notice of the tender	DEO-ELD	84.0	
6	To remove electric poles and realign low-voltage power lines existing in the site Su03 and Gh04	before notice of the tender	DEO-ELD	27.0	
7	To relocate the open drainage existing within the site from neighboring plots in the site Su03	before notice of the tender	DEO-ELD	65.0	

2. During the Project Implementation

NO	Items	Deadline	In charge	Cost	Ref.
1	To bear the following commissions to a bank of Japan for the banking services based upon the B/A 1) Payment commission	every payment	ELD	816.8 (total)	
2	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country 1) Tax exemption and customs clearance of the products at the port of disembarkation	during the Project	ELD	-	
3	To accord Japanese nationals and/or physical persons of third countries whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work	during the Project	ELD	-	
4	To ensure that customs duties, internal taxes and other fiscal levies which may be imposed in the country of the Recipient with respect to the purchase of the Products and/or the Services be exempted: Such customs duties, internal taxes and other fiscal levies mentioned above include General Sales Tax, Sales Tax for Services, commercial tax, income tax and corporate tax of Japanese nationals, resident tax, fuel tax, but not limited, which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract	during the Project	ELD EAD	-	
5	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment	during the Project	ELD	Depends	

6	To reallocate students from 13 schools where existing classrooms cannot be used during construction to schools nearby	During the construction	DEO-ELD	-	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities 1) Electricity To distribute line to the site and connect it to the meter to be installed by the project (new connection: 20 sites) To shift the connecting point from the existing panel to the newly installed meter	3 months before completion of the construction	DEO-ELD	990.5	

3. After the Project

NO	Items	Deadline	In charge	Cost	Ref.
1	To distribute electricity to the existing classroom buildings from the newly installed main-board (depending on the school's needs and existing installations)	After completion of the construction	DEO-ELD	966.2	
2	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid 1) Allocation of maintenance cost 2) Operation and maintenance structure 3) Routine check/Periodic inspection		ELD School/ Community	-	

	TOTAL			3,862.6	
--	-------	--	--	---------	--

Notes:

- ELD Education and Literacy Department
- DEO District Education Officer
- EAD Economic Affairs Division

Major Undertakings to be Covered by the Japanese Grant

No	Items	Deadline	Cost Estimated (Million Japanese Yen)*
1	To construct school facility and provide equipment		587.8
	1) To construct facilities		
	a) To construct classroom blocs and lavatory block		
	b) To install electrical and plumbing system		
	c) To construct gate, boundary wall and paved passway		
	2) To provide educational furniture		
	3) To provide equipment (PC equipment)		25.2
2	To provide management services Others including contract and procurement management		121.8
3	To provide technical services on tender support and construction supervision		259.0
4	Contingencies (legal service)		3.1
	Total		996.9

*; The cost estimates are provisional. This is subject to the approval of the Government of Japan.

Annex 8: Annual Operation & Maintenance Costs

District	No. of sites	Annual Personnel costs (1,000 Rs.) = [A]	Annual maintenance costs (1,000 Rs.)		
			Facility operating costs (Electricity charge) = [B]	Facility/furniture Maintenance costs = [C]	Total
Khairpur	9	12,180.0	164.0	452.6	616.6
Sukkur	3	4,178.4	55.0	152.0	207.0
Ghotki	5	6,854.4	90.3	245.3	335.6
Shikarpur	1	1,174.8	14.1	36.4	50.5
Larkana	3	3,690.0	67.9	196.6	264.5
Dadu	4	4,770.0	63.5	169.1	232.6
TOTAL	25	32,847.6	454.8	1,252.0	1,706.8
(Amount of increase per school)			(18.2)	(50.1)	(68.3)

Expense items of contributed budget	Education Sector Current Budget - Personnel costs	Education Sector Current Budget - Utility charges	SMC Fund	Education Sector Current Budget - Non-salary budget
2015/16 Budget Amount (Sindh Province)	106,825.0	836.8	Middle-school 50,000 Rs./school	37,958.8
Amount of increase [A] [B] [C] share rate	0.031%	0.054%	100.2%	0.004%

*SMC = School Management Committee

4-2 現地調査 V (テクニカル・ノート)

TECHNICAL NOTES

**SUPPLEMENTARY SURVEY (FIELD SURVEY V)
ON
THE PROJECT FOR UPGRADING
GIRLS PRIMARY SCHOOLS INTO ELEMENTARY SCHOOLS
IN NORTHERN RURAL SINDH**

Through discussions on the findings of the field survey reported by the Survey Team (hereinafter called "the Team"), consisting of Japanese consultants dispatched by JICA, Japan International Cooperation Agency & Education and Literacy Department of the Government of Sindh (hereinafter called "ELD") and the Team confirmed the following issues:

(1) Land for extension

Through the field survey, land area for extension of school property were identified with an agreement by landlords at the sites where extension is necessary.

To secure the land for the Project, the Team requested ELD to make the relevant District Education Offices issue a letter to confirm the area after extension by attaching the survey maps which will be provided by the Team.

ELD takes necessary measures to obtain the letters and send a copy to Japanese side by the end of November.

(2) The sites with critical problem

The Team explained that the following sites have a critical problem and may not be covered by the Project because of the reason shown below:

- Su02 GGPS PanoAkil: Planned construction area is occupied by foundations of new classroom block under construction and no other land is available.
- La02 GGPS NaiGudd: Some temporary mud houses were built adjacent to the school which need to be relocated for construction.
- Da02 GGPS Chano Shahabad: 2 classrooms for middle section are mostly completed and primary section has adequate number of classrooms.

ELD understood the situation and agreed to delete Da02 while proposed to clear the sites as a work by the recipient. The land owner has agreed to relocated those houses in case of La02.

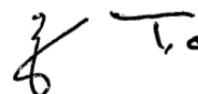
(3) Building for primary section

Both sides agreed that minimum number of classrooms shall be provided by the Project at the site where existing buildings cannot be used due to dangerous condition. Such sites are Kh02, Kh11 and La03.

Oppositely, classrooms for primary section will not be included in case a dilapidated building has been rebuilt after the previous survey. Such a site is Su03.

(4) Prioritization of the selected site

The Team will make further analysis on the selected site and put priority order to them. Prioritization will be based on expected enrollment of middle section from the catchment area. Method of analysis basically follows the previous project for southern Sindh, as well as the criteria shown below:



Expected number of class VI students		
30 or more	(classrooms are fully utilized)	Priority A
22-29	(3 teachers can be deployed according to the norm)	Priority B
16-21	(more than half of CR capacity can be occupied)	Priority C
15 or less	(more than half of CR capacity remains unused)	Priority D

Difference of standard class size of Northern Sindh (20-25 students), being less developed and more remote, shall be taken into account in order to reduce regional disparity and promote regional equity, and certain adjustments may be applied.

(5) Priority of components

Both side agreed that the equipment shall be of lowest priority. Japanese side explained to put the second lowest priority to facility construction at the sites with lowest priority since furniture is fundamental component for function of a school.

Contrary to that, ELD emphasized that facility construction at all the selected sites shall be given the top priority since furniture can be procured using own budget.

Final decision will be made taking into account the result of the previous project for southern Sindh for which furniture is procured by ELD, and consultations in Japan.

(6) Finalizing outline design of the Project

The Team explained that the outline design of the facilities will be finalized with necessary adjustment of building types and layout of buildings reflecting updated conditions of the site and its surroundings obtained through the field survey.

(7) Further schedule

Based on the result of this survey and further analysis in Japan, draft report on the preparatory survey will be compiled by the beginning of December, 2015, which will be explained by an official mission of JICA.

Karachi, September 9, 2015



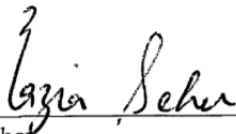
Mr. Rehan Iqbal Baloch

Additional Secretary,
Education and Literacy Department
Government of Sindh



Mr. Tomohiro Osawa
Managing Director
Matsuda Consultants International
Co., Ltd.

Witness:



Ms. Nazia Seher
Senior Programme Officer,
JICA Pakistan Office

5. 参考資料

番号	資料名	形態	発行年	発行機関
1	Pakistan 2025 One Nation- One Vision (Vision 2025)	電子ポッドキャスト	May 2014	Planning Commission, Govt. of Pakistan
2	The 11th Five Year Plan 2013-2018	電子ポッドキャスト	May 2014	Planning Commission, Govt. of Pakistan
3	Strategic Appraisal of 18th Amendment	電子ポッドキャスト	Feb. 2012	National School of Public Policy
4	Sindh Vision 2030	電子ポッドキャスト	July 2007	Planning & Development Dept., Govt. of Sindh
5	National Education Policy 2009	電子ポッドキャスト	Nov. 2009	Ministry of Education, Govt. of Pakistan
6	Joint Declaration on Education	電子ポッドキャスト	Sep. 2011	Press Information Dept.
7	The Sindh Right of Children to Free and Compulsory Education Act, 2013	電子ポッドキャスト	Feb. 2013	Provincial Assembly of Sindh
8	Sindh Education Sector Plan 2014-2018	電子ポッドキャスト	Jan. 2014	Education & Literacy Dpt., Govt. of Sindh
9	Project Appraisal Document for a Sindh Global Partnership for Education Project	電子ポッドキャスト	Mar. 2014	The World Bank
10	Project Paper on a Proposed Additional Credit for the Sindh Education Sector Project	電子ポッドキャスト	Feb. 2011	The World Bank
11	Implementation Completion and Results Report for a Sindh Education Sector Project	電子ポッドキャスト	Dec. 2012	The World Bank
12	Project Appraisal Document for a Second Sindh Education Sector Project	電子ポッドキャスト	Feb.2014	The World Bank
13	Country Report of Pakistan Regarding Accelerating Millennium Development Goals 2013-15	電子ポッドキャスト	Apr.2013	Ministry of Education & Training/ AEPAM
14	Pakistan Education for All Review Report 2015	電子ポッドキャスト	Sep. 2014	Ministry of Federal Education/ AEPAM
15	Pakistan Education Statistics 2013-14	電子ポッドキャスト	Mar. 2015	AEPAM, Min. of Federal Education & Prof Training
16	Executive Sindh Education Profile 2014-15	電子ポッドキャスト	Nov. 2015	Reform Support Unit, E&L Dept., Govt. of Sindh
17	Sindh Education Profile 2014-15	電子ポッドキャスト	Dec. 2015	Reform Support Unit, E&L Dept., Govt. of Sindh
18	Annual Status of Education Report- ASER Pakistan 2014	電子ポッドキャスト	Jan. 2015	South Asian Forum for Education Development
19	Pakistan Social and Living Standards Measurement Survey 2013/14	電子ポッドキャスト	May 2015	Pakistan Bureau of Statistics
20	Pakistan Economic Survey 2014-15	電子ポッドキャスト	Jan. 2016	Finance Division, Govt. of Pakistan
21	Budget 2015-16 Volume I-VII	電子ポッドキャスト	2015	Finance Dept., Govt. of Sindh
22	Federal Budget 2015-16 (Annual Budget Statement, etc.)	電子ポッドキャスト	2015	Finance Division, Govt. of Pakistan

□ 調査対象校運営状況調査結果

地方	県	S.N	学校	SEMIS (新) (旧)	郡 UC 村	立地		生徒数・女子							計	合計 I-V	合計 VI-VIII	男子 計	合計	教員数					STR	教室不足数		備考
								K	I	II	III	IV	V	PST F						M	他 F	計 F	M	ボランティア		/30	その他 教員	
Sukkur	Khairpur	1	Kh01	GGPS- Wapda Colony	4.15E+08 152361	Khairpur	Urban	2015/16	14	30	12	16	12	12	96	82	22	80	198	9		9	0	0	22.0	-2	前回調査時建設中の2教室を利用してG6-G7が開設されている。既存高圧線避けるために新たな拡張用地が提示された。	
								2012/13	24	22	20	9	13	8	96	72		53	149	7		1	8	0	0			
								2010/11	64	15	14	16	28	13	150	86		150	9			9	0	0				
		2	Kh02	GGPS- Hadi Bux Laghari	4.15E+08 158522	Mirwah	Rural	2015/16	15	12	4	5	10	11	57	42	28		85	7		7	0	0	12.1	-4	近在のGGHS分校として前期中等クラスを運営している。既存建物が使用不可のため初等教育用教室の建設が必要。	
								2012/13	35	25	13	13	14	7	107	72	43	150	7			7	0	0				
								2010/11	10	13	10	16	18	8	75	65		75	6			6	0	0				
		3	Kh03	GGPS- Haji Ali Dad Jogi	4.15E+08 158565	Mirwah	Rural	2015/16	23	10	7	5	6	7	58	35		58	3		3	0	0	19.3	-1			
								2012/13	42	25	12	11	8	15	113	71		113	3			3	0	0				
								2010/11	23	20	11	12	11	14	91	68		91	3			3	0	0				
		4	Kh05	GGPS- Bajeed Fakir	4.15E+08 148412	Faiz Ganj	Rural	2015/16	69	9	10	13	14	21	136	67	50	66	252	4		4	0	3	63.0	4	近在のGGHS分校として前期中等クラスを運営している。	
								2012/13	71	12	16	28	41	40	208	137	60	48	316	5		1	6	0	2			
								2010/11	55	30	58	48	46	13	250	195		250	9			9	0	0				
5	Kh06	GGPS- Ameen Patho	4.15E+08 148364	Faiz Ganj	Rural	2015/16	40	7	16	25	13	22	123	83		123	5		5	0	0	24.6	-1					
						2012/13	40	12	16	10	19	16	113	73		113	3			3	0	2						
						2010/11	40	14	18	24	13	18	127	87		127	5			5	0	0						
6	Kh07	GGPS- Wazirabad Rajper	4.15E+08 148413	Faiz Ganj	Rural	2015/16	45	10	10	0	10	5	80	35	69	149	4		4	0	0	37.3	1					
						2012/13	60	13	7	9	1	8	98	38	82	180	3			3	0	3						
						2010/11	32	34	1	10	10	5	92	60		92	2			2	0	0						
7	Kh08	GGPS- Gambal Shah	4.15E+08 156356	Kot Diji	Rural	2015/16	22	8	6	12	8	10	66	44		66	1		1	2	0	1	33.0	0	UNICEF 教員1人の学校。UNICEF派遣教員の契約期限は12月で切れ、延長は無い予定。教室棟2棟のうち1棟は使用不可。			
						2012/13	50	6	13	8	10	9	96	46		96	2		1	3	0	0						
						2010/11	31	9	10	9	15	13	87	56		87	2			2	0	0						
8	Kh09	GGPS- Jani Boro	4.15E+08 156400	Kot Diji	Rural	2015/16	60	8	11	12	8	7	106	46		106	3		2	5	0	1	21.2	-1	SEF SEF 児童40人のECEクラスを別途、SEFの支援で運営している。			
						2012/13	20	11	8	11	11	11	72	52	11	83	3		2	5	0	1						
						2010/11	110	9	11	15	14	18	177	67		177	1			1	0	0						
9	Kh11	GGPS- Karim Bux Bhambhro	4.15E+08 161537	Nara	Rural	2015/16	3	8	7	5	5	5	33	30	51	84		1		0	1	1	84.0	2	男性教員1人がボランティアの支援を得て学校を運営している。			
						2012/13	13	3	7	7	5	7	42	29	63	105	0	1		0	1	1						
						2010/11	42	26	27	23	18	14	150	108		150	1			1	0	0						
Sukkur	Sukkur	10	Su02	GGPS- Miandad Khoso	4.18E+08 184020	Sukkur New	Urban	2015/16	55	20	12	14	18	20	139	84		139	2		2	0	1	69.5	3	児童40人のECEクラスを別途、SEFの支援で運営している。計画地は建設中の教室棟基礎が占有している。		
								2012/13	18	20	20	10	15	10	93	75		93	2			2	0	0				
								2010/11	25	14	40	11	11	14	115	90		115	2			2	0	0				
11	Su03	GGPS- Sorho	4.18E+08 180023	Pano Akil	Rural	2015/16	13	9	13	11	9	15	70	57		70	4		4	0	0	17.5	-2	既存教室棟はワールドビジョン支援で建替えられている。初等教育用教室建設の必要なし。				
						2012/13	20	25	19	22	12	20	118	98		118	4			4	0	0						
						2010/11	32	10	12	18	12	16	100	68		100	4			4	0	0						
12	Su04	GGPS- Moto Mirbahar	4.18E+08 180021	Pano Akil	Rural	2015/16	49	19	14	20	18	11	131	82		131	2		2	0	0	65.5	2					
						2012/13	20	14	22	13	5	26	100	80		100	2			2	0	0						
						2010/11	0	28	8	12	11	13	72	72		72	2			2	0	0						

地方	県	S.N	学校	SEMIS (新) (旧)	郡 UC 村	立地		生徒数・女子											男子 合計	教員数					STR	教室不足数		備考
								K	I	II	III	IV	V	計	合計 I-V	合計 VI-VIII	PST			他			ボランティア	/30		その他 教員		
																	F	M		F	F	M						
Sukkur	Ghotki	13	Gh01	GGPS- Officer Colony Ghotki	4.19E+08 176022	Ghotki Ghotki-I Ghotki	Urban	2015/16	26	45	11	14	34	11	141	115		141	10		2	12	0	0	11.8	-7	ECEクラスはSEF教員により運営されている。 教員2名は長期休暇中。	
								2012/13	25	24	16	15	17	9	106	81		106	6			6	0	0				
								2010/11	30	10	20	16	13	12	101	71		101	6			6	0	0				
		14	Gh02	GGPS- Nawab Khan Pitafi	4.19E+08 179589	Daharki Dad Leghari Chohar Pitafi	Rural	2015/16	24	16	8	21	12	8	89	65		89	3			3	0	0	29.7	0		
								2012/13	20	20	10	7	13	6	76	56		76	3			3	0	0				
								2010/11	28	9	8	11	14	18	88	60		88	3			3	0	0				
		15	Gh03	GGPS: Kamoon Shaheed	4.19E+08 186385	Urbano Kamoon Shaheed Kamu Shaheed City	Rural	2015/16	8	23	22	8	7	7	75	67		75	4			4	0	0	18.8	-1	新制度により2教員が雇用されている。	
								2012/13	34	20	14	10	8	9	95	61		95	2			2	0	0				
								2010/11		30	13	10	7	20	80	80		80	2			2	0	0				
		16	Gh04	GGPS- Belo Naich	4.19E+08 178539	Mirpur Mathelo Dhangro Belo Naich	Rural	2015/16	11	23	2	5	2	3	46	35		46	1			1	0	0	46.0	1		
								2012/13	18	10	12	6	6	5	57	39		57	1			1	0	0				
								2010/11	62	7	6	5	5	11	96	34		96	1			1	0	0				
	17	Gh06	GGPS- Sheroo Mahar	4.19E+08 202003	Khan Garh Mithar Sheroo Mahar	Rural	2015/16	10	11	14	9	4	13	61	51		61	2			2	0	0	30.5	0			
							2012/13	100	20	20	21	7	6	174	74		174	1			1	0	0					
							2010/11	43	20	8	6	14	16	107	64		107	1			1	0	0					
Larkana	Shikarpur	18	Sh01	GGPS- Khanpur-II	4.14E+08 142198	Khanpur Khanpur Khanpur	Urban	2015/16	20	80	57	56	61	35	309	289		309	7			7	0	0	44.1	3	隣接するGGHSの混雑度を緩和するために本校をアップグレードする計画。	
								2012/13	32	150	83	60	60	32	417	385		417	6			6	0	0				
								2010/11	20	130	80	50	73	65	418	398		418	5			5	0	0				
Larkana	Larkana	19	La01	GGPS- Gund	4.13E+08 126372	Dokri Badah-II Gund	Rural	2015/16	60	16	19	15	26	25	161	101		161	5			5	0	0	32.2	0	保安上の理由から敷地は現在男子校が使用している。	
								2012/13	60	30	23	24	29	17	183	123		183	5			5	0	0				
								2010/11	49	21	16	20	24	44	170	121		170	4			4	0	0				
		20	La02	GGPS- Nai Gudd	4.13E+08 126377	Bakrani Purano Abad Nai Gud.	Rural	2015/16	30	20	22	28	20	15	135	105		69	204	8			8	0	0	25.5	-1	建物の建て込んだ商業地に位置し、建設用地の確保には住戸の撤去が必要。
								2012/13	50	8	18	44	34	37	191	141		70	261	5			5	0	0			
								2010/11	40	25	60	46	28	29	228	188		228	5			5	0	0				
	21	La03	GGPS- Model Community Tharecha	4.13E+08 1.31E+08	Bakrani Garello Tharecha	Rural	2015/16	50	20	11	10	9	10	110	60		110	2			2	0	0	55.0	2	既存教室棟は危険な状態にあり撤去が必要。		
							2012/13	40	15	10	6	6	10	87	47		87	2			2	0	0					
							2010/11	25	25	20	11	17	11	109	84		109	2			2	0	0					
Hydera- bad	Dadu	22	Da01	GGPS- Kamaluddin Village Kanhiri	4.02E+08 9515	Dadu Yar Muhd. Kalhoro Kanhiri	Rural	2015/16	39	11	5	5	7	20	87	48		87	2			2	0	0	43.5	1	NCHD	
								2012/13	115	19	20	52	28	12	246	131		246	0		4	4	0	1				
								2010/11	213	11	28	12	33	49	346	133		346	5			5	0	0				
		23	Da02	GGPS- Chhano Shahabad	4.02E+08 8371	Dadu Dadu-IV Chhano Shahabad	Urban	2015/16	50	30	25	29	10	26	170	120		170	17			17	0	0	10.0	-11	近在のGGHSが運営する前期中等クラス用に2教室が完成中である。WFPプロジェクト終了後、生徒数が激減している。	
								2012/13	189	150	100	182	85	88	794	605		794	15			15	0	0				
								2010/11	130	150	50	182	302	85	899	769		899	17			17	0	0				
		24	Da03	GGPS- Aminani	4.02E+08 2785	Dadu Khudaabad Aminani	Rural	2015/16	42	15	20	15	16	6	114	72		114	3			3	0	0	38.0	1		
								2012/13	51	10	20	19	22	15	137	86		137	3			3	0	0				
								2010/11	62	19	18	24	17	9	149	87		149	3			3	0	0				
		25	Da04	GGPS- Gharib Abad Radhan	4.02E+08 16352	Mehar Radhan Radhan	Rural	2015/16	30	29	26	20	20	20	145	115		145	10			10	0	0	14.5	-5		
								2012/13	70	100	50	50	50	50	370	300		370	7			7	0	0				
								2010/11	50	50	50	50	16	36	252	202		252	8			8	0	0				
	26	Da05	GGPS- Wali Muhammad Gorar	4.02E+08 16137	Mehar Tharirri Muhbat Wali Muhammad	Rural	2015/16	16	14	13	7	9	9	68	52		68	5			5	0	0	13.6	-3			
							2012/13	52	19	14	14	18	19	136	84		136	4			4	0	0					
							2010/11	45	35	11	17	13	14	135	90		135	4			4	0	0					

注)2015/16年度データ(上段)は現地調査V(本補足調査)、2012/13年データ(中段)は現地調査II(2012年前回調査)、2010/11年度データ(下段)は現地調査I-2による。